I & C

PRESERVED

App. F. IX-4

1935-36 (Ltr)

File No. 215-35

Serial Nos. 1-5

Previous References

I R 260-32 (1-2)
I R 70-31 (1-5)

Later References

I C 55-37 (1-4)
" 264-38-37
" 55-40 (1,2,5,6)
" 634-44 (1-4)

GENERAL AND REVENUE SECRETARIAT

Serial Nos. 1 & 2

P

90

Part B for 1-4-36

SUBJECT.

Re-organisation of the Industrial and Testing Laboratory

For further notes see I-C. 2-4-36

GENERAL AND REVENUE SECRETARIAT.

(Ire)

NOTES

File No. 215-35

FILE HEADING.

Re-organisation of the Industrial & Testing Laboratory

FROM

The Dir Ire

No. nil Dated 6-2-36 Received 7-2-36

Diary No. 3604	Enclos.	Spare copies	Serial No. 1

BRIEF ABSTRACT OF LETTER.

Submits, with his opinion, the proposals of the Superintendent I. & T. Laboratory, for the re-organisation of the Technical & Mechanical Establishments of the I. & T. Laboratory at an extra cost of Rs. 4,176/- per annum

NOTES AND ORDERS.

3604

(2

General and Revenue Secretariat — File No. 215 of 1935 — [App. F. III—2

Serial No.

No no 177/1935-36) S. 2-36

Urgent

The accompanying Proposition Statement, Memo. C&D Duplicate for the Re-organisation of the Industrial & Testing Laboratory, received from the Dir. Sc. is forwarded herewith officially, with compliments & the Compliments to Govt for favour of verification and return, with his remarks, very early

By order

Secretary to Govt
Dev Dept

J.A.W. 6/2/36

E 287/2 HQ 11/2

Provisional Balance Sheets of Ind. Testing Labs as on 31-12-35 taken out of forms with Mysore Agent Simultaneously 18/2

U.O.No.832/IAD dated 17-2-36.

Returned with compliments with the present scale in the Proposition Statement verified.

2. According to Govt Order No.D.2094-5/I&C 60-35-4 dated 23/24th September 1935, the continuance of the Establishment is sanctioned for 2 years from 1-7-35.

3. As per the latest (unaudited) balance sheet, the receipts and expenditure of the Factory are noted in the margin.

Year ending	30-6-1935
Expenditure	88,337-14-10
Receipts	99,286- 4-10
Profits	Rs 10,948/- after

after providing for Depreciation of Rs 3,919/- and interest of Rs 801/-

4. The extra cost is Rs 5,376/- and not Rs 4,176/- as shown by the

Director

WD 03594—GPB—30,000—13-7-35

(3

File No. of 193 General and Revenue Secretariat

Director in the proposition statement. The difference is due to the omission to reduce the cost by Rs 1200/- in the present scale, the amount representing the yearly contribution by Stores Purchase Committee towards the salary of the Superintendent. The correction has been made in the proposition statement.

For Comptroller

CV

Serial No.

by Dr. submitting his proposals for the strengthening of the present staff of the D.T. Laboratory, the Supdt. has indicated in his note a programme of work for the several sections of the Laboratory and they are briefly as under:-

1. Pharmaceutical Section:

The production of medicines for the Medical Dept and for sale to the Public is proposed to be increased to two lakhs of Rs. in the next three years.

To develop the sale of medicines in & outside the State, creation of suitable sale organisation, and reciprocal arrangements with British Indian Provinces and Indian States for the transport of medicines, are suggested.

2. Manufacture of Turkey Red oil:

The output of Turkey Red oil is proposed be increased to 50 tons a year the Supdt says there is a ready market for it, as the Laboratory has secured a good order from one of the local mills and enquiries are also being received from businessmen in the line.

3. Bitumen Emulsion &c. The Laboratory

NOTE.—Contn. Sheet.

WD 03591—GPB—30,000—13-7-35

has received orders to the extent of 550 lbs. valued at Rs. 4950/- and from enquiries so far received, the output is forecasted to be increased to 600–700 lbs a year during the next 3 years.

To facilitate easy/quick transport, purchase of a motor lorry is suggested. And the Rys. are also proposed to be approached for a lower rate of freight on Emulsion.

4. Lac Products:

New products such as Lacquering Shellac for Toy industry, Coloured Staining Polishes like Mahogany Polishes and cheap varnish & Sealing wax are proposed to be put on the market.

5. Research & Experiment. Problems hitherto tackled & those proposed to be investigated are indicated in Annexure C accompanying the Report Note.

6. Testing of Materials for Govt. and Private individuals. 77 samples of materials have so far been tested for the Govt. and it is proposed to undertake the testing of samples of materials for private individuals, issue them certificates and charge them reasonable fees.

General and Revenue Secretariat — File No. 715 of 193[illegible] — [App. F. III—2

Serial No.	
	1) & G.O. No. 3540-H/Dxc 20-31-4 Dated 12-1-32, No. 53846 Dxc 240-32
	Dated 26-4-33, & P.D. 1184-1336/Dx. 233-33-8 Dated
	17/29-8-1934, the following establishment was sanctioned as a temporary measure & the whole establishment has been continued for a period of 2 years
	from 1-7-39 (Vide G.O. M.D. 2094-5) Dx 60-35-4
	Dated 24-9-1935:-
	1. Supdt. on Rs 350/- p.m.
	2. Two Chemists on Rs 100/- each p.m.
	3. Asst Chemist on Rs 150/- p.m.
	4. Foreman on Rs 50/- p.m.
	5. Laboratory Attendar on Rs 20/- p.m.
	6. Clerk Steno-Typist on Rs 30/- p.m.
	7. 2 Peons on Rs 12/- each p.m.
	8. 1 Office Boy on Rs 6/- p.m.
	9. 1 Accountant on Rs. 40/- p.m.
	2) To cope up with the increased work in the Laboratory, the following addl. staff is proposed:-
	4 Chemists on Rs 50/- each p.m.
	1 Accountant on Rs. 60/- p.m.
	1 Stenographer on Rs 40/- p.m.
	1 Store Keeper on Rs. 40/- p.m.
	1 Despatcher on Rs 35/- p.m.
	1 Peon on Rs. 12/- p.m.

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—18-7-35

(7

File No. 215 of 193 5 — General and Revenue Secretariat

and increased salary in the case of -

1. Asst. chemist from Rs. 150/- to Rs. 200/- p.m.

2. Attender from Rs. 20/- to Rs. 25/- p.m.

3) Conversion of the post of

the Office boy on Rs. 6/- to

one Watchman on Rs. 12/- p.m.

is also suggested.

(g) Other proposals requiring consideration are:-

(a) Conferring the rank and status of a Gazetted officer on the Supdt.

(b) Change of the Designation of Mr. B. H. Krishna from "Asst. Chemist" to "Asst. Superintendent".

(c) Counting Messrs. S.G. Sastri (Junior) Asst. Chemist on Rs. 75/- p.m. transferred to the Laboratory under G.O. No. D. 4757-9/ Dof. 42-35-5 dated 6-2-35 and K. Shamanna now on the wage roll on Rs. 45/- against two of the Farm Chemists proposed to be appointed. H

(d) Benefit of the departmental Provident Fund to the staff of the Laboratory

(e) Designating the Laboratory as "Mysore Govt. Chemical and Pharmaceutical Works". Page 5 of the Supdt's note

Re-organisation of the D.T. Laboratory (8

General and Revenue Secretariat — File No. 2-15 — of 1935. — [App. F. III—2

Serial No.	
	(f) Transferring the functions of the Chemical Examiner to issue certificates regarding the Spirit-content of medicinal preparations of the Laboratory, to the Supdt.
Last para of Annexure A.	(g) The Committee has reported at paras 4-5 supra that as per the latest (unaudited) balance sheet, the Laboratory has earned a net profit of Rs. 10,948/- for the year ending 30.6.1935 and the extra cost involved in the present proposals would amount to Rs. 3276/- p.m. instead of Rs. 4176/- mentioned by the Dir.
	(h) Orders for orders
	(i) According to the figures for (unaudited) furnished by the Comptr the transactions of the D.T. Laboratory during 34-35 were as under
	Receipts Rs. 9-9-286
	Expenditure depreciation Rs. 8-8-338 and interest
	profits Rs. 10.948
	(j) The production in the Commercial Sections during the same period was:-
	Pharmaceuticals (120 medicines) Rs. 65015
	Red Zarkey oil 8 tons Rs. 3148
	Bitumen emulsion (for 4 months) Rs. 9750
	10-9 tons
	Lac products Rs. 8384
	Total Rs. 86297

NOTE.—Contn. Sheet.

WD 03591—GPB—30,000—18-7-35

Presumably these figures do not include The profits charged on the sales. Seeing that the value of the sales during the year amounted to Rs. 99 286, it looks probable that the entire output of the Laboratory or nearly the whole of it was sold during the year. On this point however the Report has not furnished any information nor has he stated what the quantity and value of stock at the end of the year were

14. Part of the present proposals relates to the expansion of the activities of the Commercial sections in the next three years. No figures are given for the and its production Assuming that this level remains the same as now the probable output in the 3rd year is estimated as under

Pharmaceuticals	Rs. 200,000
Turkey Red oil 394/- 50 tons @ Rs ~~395~~ per ton (the average present cost)	Rs 19,700
Bitumen Emulsion 650 tons (average) at Rs. 90/- per ton	Rs 58,500
Lac products	Rs. 8,300
	2,86,500

Serial No.

15) This means that the production as a result of expansion would be more than thrice the present output. There seems to be good demand for pharmaceuticals, Turkey Red oil and Bitumen Emulsion and so there is no reason why the Books showed accumulated profits earned should be proportionately higher i.e. about Rs 33000/- In fact they ought to be more than this seeing that the cost of production decreases with the increase in output. In the circumstances the Report has not explained why the total realisations should be as low as a lakh and why the profits should be only Rs 50000/- which is less than half the figure for 34-35

16) The medicinal preparations generally yield a heavy profit The sale of the Bitumen Emulsion also showed a handsome margin. The rate of profit expected to be realised by the sale of Turkey Red oil is rather low being only Rs 20/- per ton and that too after increasing the output to 50 tons.

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

The ~~production~~ Lac products still appear to be in an experimental stage. There is no information as to the quantity sold in 34-35 or whether the transactions during the year yielded a profit or resulted in loss

17) As regards finance, the Superintendent wants the working advance to be raised from Rs 44104/- to Rs 75000/-. The increase asked for seems reasonable having regard to the programme of expansion. He wants another Rs 50000/- for capital equipment. No details have been furnished. It is stated that some rearrangement of the Bitumen plant would be necessary in order to expand its capacity... He wants an extra Rs 15000/- for experimental work in the laboratory. Both these items require careful scrutiny... When details are furnished Recently... I believe some additions to the laboratory buildings were sanctioned. A lorry is proposed to be purchased but the establishment required for it has not been provided for in the proposition. Statement, Lorries deteriorate very rapidly... and in volve heavy recurring charges

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	For the transport of manufactured goods and raw materials it appears to be cheaper to engage hired conveyance the exemption required by local bodies may be sent to them by train the necessity to purchase a lorry would be still less if as stated by the Supt the Ch Engr proposed to buy one for the use of his Dept.
	(8) There seems to be a good deal of difficulty in exporting medicinal preparations containing alcohol and opium into Br India. The elaborate and cumbrous system of permits now in vogue is an undoubted hindrance to legitimate business. The Supt suggests that the Excise Commrs in Rgn be authorised to issue export permits which shd be recognised as valid in Br India by the importing provinces in Br India. This is a difficult question which has to be taken up with the Residency after consulting the Excise Commissioner. There may perhaps be less difficulty in empowering the Supt to issue certificates regarding the

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

the spirit-content on the opium-content of medicinal preparations. Even here however, the Local Govts. or the Govt of India may require an independent authority not connected with the manufacture to issue these certificates.

19. The question of advertisement and of selling agencies appears to be easy of solution. The products of the laboratory may be advertised along with those of the Soap factory for which an arrangement exists already, a percentage of the profits say 5% being earmarked for the purpose. The selling agencies which we have in Bombay, Madras etc may with advantage be utilised for the sale of the laboratory products as well.

20. The line pursued of research in regard to chemical preparations cannot be overrated. This work has two aspects. The one is connected with experiments on the products already placed in the market with a view to improve their quality and reduce the manufacturing cost. Otherwise, the ground which may

Serial No.

be gained initially will be lost very soon since these products have to be sold in a highly ~~competitive market~~ competitive market. The other deals with experiments on new products as a preliminary to undertaking their manufacture on a commercial scale There are a number of industries - some of them are referred to in the depot's note, for the development of which the State offers abundant scope, but none of them can be established on a manufacturing scale without a lot of preliminary spade work in the shape of experimental research The manufacturing cost of sandal oil in our factory at Bangalore is far in excess of that in America notwithstanding the decided advantages which Bangalore enjoys in the matter of cheaper labour and smaller transport and overhead charges The cause for this big difference appears to be the different processes of distillation employed here and in America The possibilities of employing the alcoholic process for

WD 03594—GPB—30,000—18-7-35

the extraction of sandal oil do not seem to have been scientifically explored in Mysore. In this matter, the research section should be in a position to render valuable assistance.

2) If the research section is to yield fruitful results it is essential to man it with chemists of first-rate ability. Second-rate men may be good enough to attend to the routine work in the manufacturing dept., but they can have no place in the research section. The Report proposes to strengthen it with the addition of 2 more chemists. The pay suggested is too small to attract chemists of real merit. It seems to be necessary to give them a starting pay of Rs. 75/- at least. These posts may be treated as general vacancies and filled up by the best men available. The present Report who is said to have a great aptitude for research work should be the head of this section. He should, no doubt, be rewarded

Serial No.

with the routine management of the Industrial Sections. The present proposal however seems to be to make him a sort of General Supervisor with powers of supervision over all the sections. This would be a waste of his valuable services. As business develops, he will have less and less time to devote to research work and in a short time, he will be in distinguishable from a Factory Manager. It seems preferable to put all the sections under the general control of a single officer who may be, for the time being, either the Chief Chemist of the Soap Factory or the Dy. Director of the Sandal Oil Factory. The cost of the Research Section including the pay of the staff may be debited to the industrial sections of the Laboratory the Soap Factory and the Sandal Oil Factory in certain agreed proportions based on output or sales with it is proposed to make the staff of all the sections of the Laboratory permanent In no industrial concern whether big or

WD 03594—GPB—30,000—13-7-35

small one. The staff guaranteed continuity of service till the date of their superannuation - with a pension on retirement. On the other hand the proposal of the depot. that the staff should have the benefit of a Provident Fund scheme seems to deserve sympathetic consideration. I think this scheme usually takes the form of a contribution of one anna in every rupee which an employee earns an equal contribution being made to the Fund by the employer. A similar scheme may be sanctioned for the Laboratory subject to the proviso that the rate of State contribution would be reduced when the ~~the~~ net profits on the industrial sections are insufficient for the purpose and that no contribution would be made to the Fund if the concerns yield no profits at all or work at a loss. Such a proviso will stimulate the staff to put forth their best and check waste and extravagance in every direction. The question of giving a cash bonus out of the annual profits may also be considered to serve as an additional incentive

Serial No.	
	23) The revision of the scale of asst proposed involves a recurring exp of Rs 3706/- per annum each and above the sanctioned scale An Assistant Foreman is suggested for the Emulsion section to assist the Foreman Mechanic but I find no provision for him in the proposition statement perhaps his appointment for the time being is not considered necessary Of the four chemists proposed two are already working on the Wages Estt - M.r. K. Shamanna in the Pharmaceutical Section and another recently transferred for the Soap Factory to work in the Emulsion Section. Thus the real increase proposed are the two chemists required for the Research Section. It is proposed to ask M.r. B. H. Krishna to supervise the manufacture of Dunkey Red Oil in addition to his own duties as Asst Chemist in charge of the Pharmaceutical Section and raise his pay fm Rs 150/- to Rs 200/- There are at present two Assistants on a pay of Rs 100/- each. Perhaps one of them is in direct charge of the Dunkey Red Oil Section

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—18-7-35

The other Assistant does not seem to have any definite work His post may be abolished and the savings utilised to strengthen the Research Section

2) The ministerial staff needs to be augmented An efficient accounts staff is indispensable if the accounts of the Manufacturing sections are to be maintained in a satisfactory manner. The scale of pay of the Accountant should be raised to Rs 60-4-80 to facilitate the posting of an efficient and senior Accounts Clerk for the Industrial Assistance Section of the Comptroller's office The present Accountant on Rs 40/- will work as the assistant Store-keeper and a despatcher are also necessary The pay of the latter need not be so high as Rs 35/- It appears to be sufficient to fix it at Rs 25-1-30 There seems to be no justification for the addition of a stenographer on Rs 40/- or for increasing the pay of the Attender from Rs 20/- to Rs 25/-, nor does there appear to be any immediate need to sanction an additional peon and a

Re-organisation of the Industrial & Testing Laboratory (20

General and Revenue Secretariat — File No. 215 of 1935. [App. F. III—2

Serial No.

Watchmen on Rs 12/- each. The existing two pions may be asked to attend to the duties of the watchman by turns If necessary an additional office boy on Rs 6/- (there is one already) may be given.

25) The working of the Testing laboratory seems to have been very disappointing The only work done there was the testing of samples sent by the S.P.I. which is contributing Rs 1200/- per annum towards the pay of the Depot- It is not clear why private industrialists are not taking advantage of the facilities offered The scheme may perhaps improve if the S.P.I. makes a rule that only materials tested in and certified by the laboratory would be accepted for the suppliers dues (Sd) W. 22.2.38

55/45 25/2

26) The combination of the administrative duties of a running factory and research is not likely to prove a success. Research suffers without undivided and exclusive attention. Moreover the

NOTE.—Contn. Sheet.

WD 03594—GPB—30,000—13-7-35

(21

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pharmaceutical work has expanded sufficiently and considerable further improvement is possible almost immediately that it may be separated and established as the 'Mysore Govt Pharmaceutical works.

27) As Dr A. N. Rao is shortly leaving Mr B.H. Krishna who has been associated with the industry in Mysore from the start may be placed in charge as Superintendent. He may be placed in charge of the Pharmaceutical works and the Bituminous plant.

28) The 'Pharmaceutical works' may be treated as a permanent industrial unit and the staff allowed Provident Fund and other benefits as part of the I.D.S. Staff.

29) Mr. Krishna may be started at Rs 200 as Supdt.

30) Two junior chemists may be appointed on one more if Dr. Vasudeva is taken away for research work as will be proposed later

31) The menial staff may be fixed at as follows

1	Accountant	on 60	
1	Asst accts	40	
1	Clerk & Stenographer	40	
1	Storekeeper	60	Has had prior security
1	Attender	20	
2	Peons & one Watchman	on 12 Rs each	

Serial No.

32) To provide for expansion for which there is very good scope, a capital allotment of Rs 20,000 may be made in the next years budget. The working capital may be fixed after a review of the current year's accounts.

33) In view of the starting of bitumen factory at Mysore, no addition to the staff of this dept. seems necessary.

34) The question of Excise restriction can be separately taken up with the Govt of India A draft letter will be separately put up for consideration

35) Ld offers immense possibilities and there is need for constant research work. This section with testing for the S.P.J.C and research may be formed into a separate dept and placed in charge of a senior trained chemist like selected. Dr Nagaraja Rao may perhaps be tried. Mr. Varadan may be the chemist and two jr chemists recruited for the work. One of them may work on lac in addition to Mr Ranga Rao. Apart from the labour of the lac factory, the staff may including other be fixed as follows

1 Stenotypist 50
1 Accountant 60
2 Attenders one 20 one 15
2 peons on 12.

NOTE—Contn Sheet.

WD 03594—GPB—30,000—13-7-35

Reorganization of the Industrial & Testing Laboratory

(23

HC File No.	215	of 1935.	General and Revenue Secretariat

36) A provision of about 3000 Rs a year may have been made for chemicals and apparatus etc and the total cost will not exceed about Rs 8000 a year. The laboratory will be self supporting & even if it does not yield a profit at once. The provision of Rs 8000 a year is very necessary for several as the dept has a number of personnel, the salaries of which is likely to increase on increments

37) If orders are passed on the above main proposals, the details will be worked up in consultation with the Dy I.G.

Sd/- Illegible

29.3.36

Illegible

30.3.36

OFFICE OF THE SECOND MEMBER OF COUNCIL. 1 APR. 1936 No. 7571

38) I should like to discuss these proposals with the Misses Illegible at the D & I. Laboratory at 8-30 AM on Wednesday the 8th inst.

Illegible

4/4/36

Dr I/c Veter. Surgeon. Illegible Supt. D & I. Labs. C.C. 7 (Clerk factory)

Illegible 6.4.36.

38) Please write at once

Illegible

40) 6.4.36.

Illegible Do. for appt.

Illegible 4/4

41) Issue today

Illegible 6.4.36

Do. No. 6016-9 R. dated 6/4/36

Reorganisation of the I.A.T. Laboratory

3 L

General and Revenue Secretariat | File No. | of 193 | [App. F. III—2

Serial No.

(42). The draft G.O. is based on the conclusions arrived at the meeting. It was found that there was considerable scope to increase the manufacturing products that could be absorbed by the Medical Stores. The present artifact and the new products could also be sold more largely by the public both in and outside the State.

(43) The work that has been done in the few weeks that has come developed and a regular scale established for the products with a little more research both in the field of packing. The interest in Jamun has is being developed by the Khadi Board and the Chemical Institute work has been started on the right lines has been continued.

(44) The additional staff required are the minimum required for work on some definite lines. In the case has there been reasonable as shown with balance sheet mainly because of the stocks being old

(45) The draft G.O. may be offered

Secretary

This file. Secy

Mr. 30.4.36.

30/4/36

SECRETARIAT
C.No.Fl.2849
1, MAY 1936
NOTE—Contn Sheet.

WD 03594—GPB—30,000—18-7-35

46) The main proposals concerning the Finance Department are:-

(1) Posting of Mr. S.G.Sastry (Junior) to the Laboratory permanently.

(2) Transfer of a Chemist on the monthly rated staff to the regular establishment.

(3) Raising the pay of Mr. B.H. Krishna to Rs 200/-

(4) Appointment of two more apprentices on Rs 60/-

(5) Maintaining separate Capital & Revenue Accounts for the three sections and fixing the working capital for each.

(6) Provision for Capital expenditure.

(7) Transferring to the Service head the expenditure relating research.

47) The Industrial and Testing Laboratory is still in the initial stage and it is therefore desirable to avoid extra recurring expenditure as far as possible, and it is not expedient to make any establishment permanent.

54) I agree

48) The establishment may continue on the present basis for some more time till the factory is found to realise substantial profit. In this view, Mr. S.G.Sastry (Junior) may continue as temporary and the transfer of the Chemist from the monthly rated staff to the regular establishment -- which practically means the creation of an extra appointment -- may be deferred. The present pay of Mr. B.H.Krishna

55) It is better to place him on the monthly rated staff

is not noted, but I believe it is Rs 150/- It is not clear why any increase should be allowed to him at present particularly when the general supervision is entrusted to Dr. Parthasarathy. The appointment of two apprentices involves an extra recurring expenditure of Rs 1,440 per annum and may be deferred for the present, if possible.

I have no objection to (5) above. The detailed accounting procedure may be settled in consultation with the Comptroller and the amount of working capital may be fixed for a temporary period (say, 1 year) and revised later on, if necessary.

The amount provided in the next year's budget for Capital expenditure is only Rs 10,000 and it is not possible to alter it at this stage. Before fixing the amount, it is necessary to obtain details and ascertain the extra profit likely to be realised on the above account.

No (7) is acceptable on principle, but there should be a maximum annual money limit for such expenditure, and the same should be required to be met by reappropriation from the grant under "28. Industries and Commerce".

Secretary

NOTE—Contn. Sheet.

Reorganisation of the Industrial & Testing Laboratory.

File No. 5934 of 193 | General and Revenue Secretariat

and a photo of form orders shall be in file.

58) Resubd as directed.
Secretary

MW. 25.5.36
Ley. 25.5.36

OFFICE OF THE SECOND MEMBER OF COUNCIL
26 MAY 1936
No. 9122

59) The revised draft order has been put up after considerable discussion and may, I think, be approved. In view of the fact that the separate post of Supt. will remain unfilled, the small increase ~~in the~~ in cost due to the promotion of Mr Krishna and the appointment of Robakmen will not mean any net addition to the working expenses. There is considerable room for developing the pharmaceutical section as well as the law section. A small addition to the staff is unavoidable.

Dewan) 26/5/36.

DEWAN'S OFFICE
27 MAY 1936
No. 7275

60) I agree

61) There is great scope for developing the pharmaceutical section, as Mr. H. Member says, & it is the hope that it will go on expanding month by month, year by year.

Reorganization of the Industrial & Design Laboratory

General and Revenue Secretariat. | File No. 215 of 1935. | [App. F. III-2

until it becomes a large organisation supplying its products take part of India. We must not judge upon the managing staff. We still have some Chemists always under training.

7275

62) Mee
29/5/36.

63) The Secy with compts

FINANCIAL SECRETARIAT U.O.No.Fi.3113 29 MAY 1936

MW. 28.5.36.
Lt. 29.5.36

(64) [illegible] 29/5

29/5/36.

MW. 29.5.36.

(65) Lt. 1.6.36.

Subd for orders.

May the draft issue?

Lt 1/6/36

66) The word 'probationers' has been substituted for 'apprentices' in the draft Ord. The latter will be issued if approved by Secy) Lt. 2.6.36

7925 2/6

67) Maybe issued accordingly subject

MW 2.6.36.

68) Issued Lt. 2.6.36

NOTE—Contn. Sheet.

Re-organisation of Govt D & T. Laboratory

27/

Re File No. 215 of 1936. | General and Revenue Secretariat

69) Fuel com no. 44 Camp mysore dy 7/6/36
Draft and fair copies are submitted.
May be submitted to the Fuel Secretary
also for perusal before issue

Cm WW
7/6/36

70) For perusal.
H. Secy) 8/6/36.

71) M 8/6.

72) Issue
8/6/36.

73) Issued
Cm
8/6/36.

To. The Dir. D.C
" Chemist Mysore
" Textile Inspector
" Secy. F&C

No. Camp. D. 26-29 dy 6/6/36

Passed orders re the technical & supervision staff and the Capital and working advances of the D & T. Laboratory and reserve the question of ministerial staff for separate orders.

73) Recommended with a draft G.O. about the ministerial & other staff of the Laboratory, based on the note at paras 31-35, for consideration.

74) In the G.O. of 6-6-36, no mention is made about the salary to be drawn by Messrs. S.G. Sastri (Junior) and M. Ramanna. Mr Sastri's salary is fixed at Rs 75-p.m. (this is what he was drawing in the Soap Factory) and a salary of Rs 60/- is proposed

2

passed on 11.6.36

Re Ministerial staff qrs Dr Laboratory & Lac Feeding

General & Revenue Secretariat. Qrs

File No. 215 of 1935. (30) [App. F. III–2

Serial No.

for Mr Shamanna on the analogy of the scale fixed for the Protozoiners. (He has been drawing Rs 45/- as the Hqrs Estt for over 5 years or ever since the Experiments were started in the Laboratory)

DS Secy for orders. It has also to be considered:-

Ref P&S 1716 — 2/ As regards the Ministerial Estt proposed by the Dir Secy at para 3 of 31.1.35 Secy's note at para 48 leads one to infer that the present Estt requires no change for some time. Further the Secy's note at para 48 & the Memo'd Minute thereon seem to mean that both Mr S. G. Sastry (Dr) & Mr K. Shamanna have to continue on their present pay. Points I & II are for orders.

I

II

24/6/36

4394 24/6

OFFICE OF THE SECOND MEMBER OF COUNCIL. 25 JUNE 1936 No. 10021

Dir: Secy)

3/ Re I. The Director may be asked to submit suitable proposals if he wants any change.

4/ Re II. Mr Sastry may continue as hitherto as Mr Shamanna also gets Rs 45/- and he cannot be treated worse than a new probationer.

Secy to Govt

NOTE–Contn. Sheet.

25.6.36.

5/ I agree. As I have noted

25/6/36

31

3,121

IVC File No. 215 of 1935.

General and Revenue Secretariat

elsewhere, the Store Keeper should be on monthly pay and suitable security should be taken from him

MW
26/6/36

MW
26.6.36.

26/6/36

Serial No.	
	From
3	The Dir. Pty.
	No.D2-262/35-36 dt. 29.6.1936.
	Ref copy of his Ord. No.D2-262/35-36 dt. 26.6.36 fixing the salary of Messrs. S.S. Jamali (Junior) and K. Ramanna Chetty of the Dr.T. Laboratory at Rs. 75/- and Rs.60/- respectively from 6.6.36 and stating that against one of the two Probationers for sanctioned Mr. Mohamed Jan, B.Sc. has been appointed, the other for being filled up after calling for applications and requesting approval of his action and sanction to the above mentioned and other Staff asked for by him.
	Draft approving the action of the Dir. in fixing the pay of Mr. S.S. Jamali (Junior) at Rs.75/- p.m. and that of Mr. K. Ramanna at Rs 60/- p.m. from 6-6-1936 which are in consonance with the intention of Govt. as (as at paras 78 & 79 supra) is sent for appl.
	Mr. Mohamed Jan who is a B.Sc. (II class in Group I and I class in Group II) with Chemistry, Botany and Zoology as Optionals, has been appointed as a Probationer and the Dir. requests approval of his action. Why both the Probationers should not be advertised and the best of the applicants selected should not
NOTE=Contn. Sheet.	

Re Staff of the reorganised D & T Laboratory

Govt. File No. 215 of 1935 | General and Revenue Secretariat

as suggested by the Deputy of the Laboratory.
with Posts (Items) or H.Q's selected is appended
for consideration and orders.
8) In the last para of the P.W.D. letter dtd.
requested orders re addl. ministerial
and other staff asked for. Instructions
are solicited if fresh proposals may be
called for from the Dir. as per rules
paras 72 & 74 supra.
Submitted for orders.
8) Draft for Consideration.
3/8/36 In the case of Parsees probationers
the Govt called for applications
by advertisement in the gazette
and made the selection. The
same procedure may perhaps
be followed in this case also
Sir Secy 6.7.36
8) Noted.
8) In urgent clerical work the nearest
of definite proposals for the minimum
staff necessary. Please write a letter
7.7.36.
7.7.36
8) Issued
7.7.36
8) Draft and fair submitted for Secy before
8) Communication with reference to papers
48 & 55 Supra

136 & 47

TYPING SECTION
8. JUL. 1936
GENL. & REV. SECTT.

Re probationers and ministerial staff of the Drt. Laboratory

(31

General & Revenue Secretariat. — Dyc File No. 215 of 1935 [App. F. III–2

Serial No.	
4	To Mr. Dir. Drc " compliance No 710 MOD. 124–5 D 8/7/36 Approves the action of the Dir. in having fixed the salary of Messrs. S–S. (Cadre Junior) and K Bhanumurthy at Rs 75 and Rs 60/- p.m. respectively and states that separate orders will issue re the probationers. Resubmitted with a draft as per order at paras 83 & 86 supra Krs 9/8 dlw Key 11.7.36 11/7 MW. 14.7.36
	Issue Ky. 14/7/36
5	Letter No. D. 321 D 16-7-36 To The Dir. Drc Calls for definite proposals re the minimum Staff required for the Laboratory. & requests that applications for the Survey Probationers may invited by advertisement in the Gazette from B.Sc. (Hons.) or M.Sc. graduates & that the same be sent to first with his opinion
	For further orders see Doc. 24–36

TYPING SECTION. 15 JUL. 1936 GENL. & REV. SECTT.

Sent A Ky 17/7

GEN. & REV. SECRETARIAT 19 JULY 1936 DEVELOPMENT BRANCH

Sent B

GEN. & REV. SECRETARIAT 4 SEP. 1935 DEVELOPMENT BRANCH

NOTE—Contn. Sheet.

(1)

Telegraphic Address:—"INDUSCOM."

GOVERNMENT OF MYSORE.

DEPARTMENT OF INDUSTRIES AND COMMERCE. 1/2

IMMEDIATE.

In reply please refer to
No.
Encl.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 6th Febry. 1936

3604

CONFIDENTIAL

FROM S. Abdul Wajid, Esq., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore (India).

To

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

Ind. 215-35-1

SIR,

Re-organisation of the Government Industrial & Testing Laboratory

I have the honor to invite kind reference to the proposals on the above subject submitted by the Superintendent, Industrial and Testing Laboratory, in his letter No. 2613 dated the 24th Jany. 36 a copy of which was submitted to you in advance by him. These pro-posals have been framed in consultation with me and I generally approve of them.

The extra technical and ministerial establishment asked for is absolutely necessary in view of the fact that the business has greatly developed in the several sections including the recent additions of the Government Lac Factory and Bitumen Plant. The staff undermanned as it is has been working overtime daily to cope with the increased work.

The Assistant Chemist, Mr. B. H. Krishna, who organised the Pharmaceutical Section in the initial stages has been doing very good work. He is fit to shoulder greater responsibility. I propose therefore that he may be given the status of the Assistant Superintendent and his pay raised to Rs 200/- per mensem which he richly deserves.

The appointment of Four more chemists in addition to the existing Chemical staff is absolutely necessary - one for the Pharmaceutical Section, one for the Bitumen Section and the remaining two for the Research Section. I propose that these Chemists may be paid Rs 50/- each. Against one of these posts, Mr. K. Shamanna, B.Sc., who is now on the Wages Establishment on Rs 45/- per mensem, will be appointed as he is associated with the Pharmaceutical Section from its inception, and is besides conversant with stores, accounts and correspondence work. As his work is highly spoken of by the Superintendent, he deserves further encouragement. Against another, I propose to appoint one of the Chemists of the Government Soap Factory. For the remaining two, I have in mind, the case of two non-brahmin Chemistry Graduates whom I shall appoint as soon as orders are received.

The Office establishment also requires strengthening by the addition of One Accountant, one Steno-typist, one Store-keeper and one Despatcher to cope with the increase in work. It is absolutely necessary that a duly qualified Accountant with sufficient experience should be attached to the establishment of the Laboratory in order that its accounts are maintained efficiently. The present Accountant

Accountant may be designated Assistant Accountant and placed in charge of the cash also. The other posts will be filled in accordance with the C. R. B. Rules.

I recommend that the name of the Laboratory may be "Mysore Government Chemical and Pharmaceutical Works" and the Superintendent may be given the rank and status of a Gazetted Officer to enable him to exercise powers under the Excise Regulation which has to be vested in him from time to time in the interests of the Laboratory.

The necessary proposition statement involving an extra expenditure of Rs 4,176/- is enclosed for reference.

I have the honor to be,
Sir,
Your most obedient servant,

Director.

usc)

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Form 11

(*Vide* Art. 57 C. A. C. Vol. I, and Rule 23, Part 1. Chapter II of the Fina

Finl. 200]

STATEMENT OF PROPOSITION

Name of Office to which the Proposition

Government orders sanctioning present Establishment		Nature of Charge											
		Present Scale					Proposed Scale						
No.	Date	Sl. No.	Designation	Pay Minimum	Pay Rate of Increase	Pay Maximum	Average Cost	Sl. No.	Designation	Pay Munimum	Pay Rate of Increase	Pay Maximum	Av Co
			TECHNICAL ESTABLISHMENT						TECHNICAL ESTABLISHMENT				
		1	Superintend -ent	350	-	350	350	1	Superin-tendent	350	-	350	3
		2	Asstt. "	100	-	100	100	2	Asst Chemist (Asstt. Supdt)	200	-	200	2
		3.	Assistant	100	-	100	100	3	Assistant	100	-	100	1
		4	Assistant Chemist	150	-	150	150	4	Assistant	100	-	100	1
		5	Foreman Mechanic	50	-	50	50	5	Chemists (Four) on 50/- each	200	-	200	2
								6.	Foreman Mechanic	50	-	50	
			MINISTERIAL ESTABLISHMENT						MINISTERIAL ESTABLISHMENT				
		6	Accountant	40	-	40	40	7	Accountant	60	-	60	
		7	Clerk and Steno-typist	30	-	30	30	8	Asstt "	40	-	40	
		8	Attender	20	-	20	20	9	Stenographer	40	-	40	
			MENIAL ESTABLISHMENT					10	Clerk and Steno-typist	30	-	30	
		9	Peons (2) on Rs 12/- each	24	-	24	24	11	Store-keeper	40	-	40	
		10	Office boy	6	-	6	6	12	Despatcher	35	-	35	
								13	Attender	25	-	25	
									MENIAL ESTABLISHMENT				
								14	Peons (3) on Rs 12/- each	36	-	36	
								15	Watchman	12	-	12	
			or per annum			870 P.M. 10,440			or per annum				1 per 15 10
						1,200 net 9,240			Extra per annum				5 1

DEDUCT contribution of Rs 100/- per mensem from S. P. C. Office

Note.—Lower grades in all cases to fill the vacancies in the Superintendent.

Bangalore, the 6th Febry 1936

Controller in Mysore and should

1) Q.no 8. 1154-1236 /32 233.33-8 dt 17/8/1934
2) Q. no 8. 5979-80 /32 189-34.2 dt 8/8/1935
3) Room 8-2094-5 /32 60.35-4 dt 24/9/1935

5

TELEPHONE NO. 256, CITY

GOVERNMENT INDUSTRIAL & TESTING LABORATORY

(DEPARTMENT OF INDUSTRIES & COMMERCE IN MYSORE)

DR. K. A. N. RAO, F.I.C., D.I.C.
SUPERINTENDENT

MALLESWARAM P. O.
BANGALORE

No. 2612

Date 24th Jan. 1936.

CONFIDENTIAL

To;

M. Venkatanaranappa, Esq, B.A.,
Secretary to Government,
Development Department,
Bangalore.

Dear Sir,

I am enclosing herewith copy of a note on the reorganisation of the work of the Laboratory and Lac Factory, which has been submitted to the Director. Since it contains data regarding manufacture and costing, I request that it may be treated as confidential.

Yours sincerely,

K. A. N. Rao

RNS)

Enclosures 3 Annexures and 6 Statements

NOTES ON THE REORGANIZATION OF THE INDUSTRIAL & TESTING LABORATORY AND GOVERNMENT LAC FACTORY.

The following items of work have now been entrusted to the Laboratory and Lac Factory.

(a) Commercial :

1) Manufacture of Pharmaceuticals
2) Manufacture of Turkey Red Oil.
3) Manufacture of Bitumen Emulsion,
4) Manufacture of Lac Products.

(b) Non-Commercial:

5) Testing of materials for the Stores Purchase Committee and Private Industrialists,
6) Investigation of Industrial Problems.

The particulars of staff sanctioned for attending to the above items of work and Capital and Working Advances sanctioned by Government are shown in Statement I appended to this note.

In submitting the Re-Organization Proposals, it may be mentioned that the work relating to items 1 to 4 will be conducted on strictly commercial lines. Testing of materials will be of a routine nature; investigation of Industrial Problems is of an experimental nature and when the results achieved lend themselves to commercial exploitation, the work will be transferred to the commercial section.

Pharmaceuticals.

We have been manufacturing about 120 medicines for the Medical Department and also for sale to the public. The total cost of medicines manufactured during the year 1934-35 is Rs. 65,015-1-0. Statement II appended to this note furnishes details of the total output and supply of medicines during the last six months and statements III & IV (a) &(b) give particulars of costing of medicines.

It is proposed to increase the production to two lakhs of Rupees during the next three years. Attention will be concentrated on the manufacture of those medicines which would leave a large margin of profit. The extra expenditure on

on account of the increase in the staff required to cope up with the work and the additional capital required will be kept at its minimum and is dealt with separately.

Mr. Krishna who has been associated with the manufacture of Pharmaceuticals since the inception of the Laboratory will be directly in charge of the section under my supervision. To develop the sales of the medicines both in and outside the State, we have to create a suitable sales organization. Government will have to enter into reciprocal arrangements with the British Indian Provinces and Indian States to facilitate the transport of preparations containing alcohol and opium. (details discussed in Annexure A)

TURKEY RED OIL.

During the year 1934-35, the total output of Turkey Red Oil was about 8 tons valued at Rs.3,147-14-0. The Laboratory has secured a good order from one of the local textile mills for supply of Turkey Red Oil and enquiries are also being received from the business men engaged in the line. It is therefore proposed to increase the output to 50 tons (50% oil) a year as there is a ready market for the increased output. It will be necessary to appoint separate sales agents for pushing the product in the market. The chemist working in the Pharmaceutical Section will also supervise the manufacture of Turkey Red Oil. Only some casual Labour will have to be appointed for this purpose. If the output is increased to 50tons per year as stated above, a margin of Rs.1000-0-0 a year may be expected. It may be remarked that the financial results of this section are governed by the price of castor oil, which is subject to large fluctuations.

BITUMEN EMULSION SECTION.

Manufacture of Bituman Emulsion was started in October, 1935. The total quantity of emulsion prepared till now is 109 tons valued at Rs.9,750/-. We have received orders to the extent of 550 tons worth Rs.49,500/-. From enquiries received so far, we have to arrange for a production of 600-700 tons a year, during the next three years to cope with the demand. If the growth in the demand keeps the same pace, the Plant will require some arrangement

rearrangement and detailed proposals will be submitted when this is found necessary.

The staff sanctioned for this work consists of one foreman on Rs100/-, and one clerk on Rs30/-. As it has been very necessary to work overtime to meet the increased demand, this staff will have to be strengthened further. An assistant foreman and a chemist will have to be appointed immediately. The chemist will have to test the raw materials and also the batches of emulsion prepared everyday. He will also test new raw materials like molasses, Bhadravati Tar and Pitch, which could be used in the manufacture of emulsion. The Asst. foreman should be a mechanic and a Departmental man may be spared, if one is available.

The problem of transporting the emulsion to moffusil centres requires solution. The Chief Engineer has been requested to purchase a lorry for the use of the Public Works Department, as it would facilitate the rapid transport of the emulsion to the work-spot. The Laboratory should have a lorry of its own to meet the demands of the Municipalities and other local bodies. Incidentally it may be stated that such a lorry would also be useful for transporting other manufactured goods and raw materials. The Railways may be approached to charge us a lower rate to stimulate transport of emulsion by rail to distant places.

LAC PRODUCTS.

During the year 1934-35, the Lac Factory produced materials valued at Rs.8,384-3-10. When the factory was transferred from the Forest Department, the stocks as detailed in statement V valued at Rs. 2,512-12-8 were taken over. The Chemist Mr. N.K.Ranga Rao, B.Sc., appointed by the Forest Department is now in charge of the operation It is proposed ~~xxx~~ to put on the market new products such as Lacquering Stic'ks for the Toy Industry, Coloured Staining Polishes like Mahogany Polish, and cheaper varieties of Sealing Wax which are required by the railways and offices. Annexure B furnishes the details of the programme of work for this section.

RESEARCH AND EXPERIMENT.

The problems hitherto tackled by the Laboratory, and the problems proposed to be investigated are discussed in Annexure C.

The problems are varied in nature, and involve specialized equipment and separate accommodation. Additional Funds will have to be provided for this purpose. Expenditure incurred on this work will have to be charged off to a separate head. The work in this section will be directed by the Superintendent with the assistance of one of the existing chemists and two probationary chemists to be newly appointed.

TESTING OF MATERIALS FOR THE S.P.C. AND PRIVATE INDUSTRIALISTS.

During the year 1934-35, 77 samples were tested for the S.P.C. It is proposed to undertake the testing of samples from the private industrialists, issue them certificates and charge them reasonable fees, as is being done by similar institutions elsewhere. This section will be under the control of the Superintendent.

FINANCE.

The working Advances now sanctioned for the several items of work shown above are Rs.44,104-0-0. In view of the contemplated increase in the manufacture of Pharmaceuticals, Turkey Red Oil, Bitumen Emulsion and products of the Lac Factory and the large number of Problems of Research, it is necessary that the working advance should be increased to Rs.75,000/-. Large working advance will enable us to purchase and maintain adequate stocks of raw materials at favourable rates. The cost of Capital Equipment required during the next three years may be estimated at about Rs.50,000/-. The extension of the plant will be made only when it is found necessary and the expenditure is considered justifiable.

A sum of Rs.15,000/- will be required separately to meet the expenditure incurred on investigations and experimental work referred to above. Any receipts from the disposal of the articles made during the course of research and experiment will be credited to this account.

STAFF.

References have been made above to the need for increase the present staff. This will consist of one Chemist for the Pharmaceutical Section, one for the Bitumen Section and two for the Research and Experimental Work. The ministerial staff also requires a corresponding increase. At present there are only one accountant, one Stenotypist and one clerk for attending to the entire work. It is essenti to appoint in addition one accountant, one steno-typist,

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one despatcher, and one store-keeper.

Of the four new chemists to be appointed, two required for the Research Section should be B.Sc. Honours or M.Sc's Chemistry, preferably with research experience. The other two may be B.Sc's in Chemistry. After calling for applications, the candidates will be interviewed, and men with suitable qualifications will be recommended. They will be on probation for a period of one year. Their future prospects will depend on the work turned out by them during the probationary period.

Against one of the posts, Mr. Shamanna, B.Sc.(old Rules) who is doing very good work during the past five years and who is now drawing Rs.45/- per month may be appointed as foreman.

The new accountant proposed to be appointed should be one with experience of accounts and office management for some years either in the Departmental Concerns or in the Comptroller's Office, E.A.D. He will be in charge of all the accounts, correspondence and also cash. The posts of steno-typist, despatcher and store-keeper may be filled up according to C.P.P. Rules.

Mr. B.H. Krishna who has been working in the Pharmaceutical Section from the beginning will be entrusted with additional responsibilities in case the proposed re-organization is given effect to. In addition to his technical work, he will assist the Superintendent in all matters of routine nature, e.g. accounts, correspondence, etc.

While considering the question of the appointment of extra staff, I beg to submit, that the existing staff is on a temporary basis, and all the members of the staff have been drawing fixed salaries for long periods continuously. Their case for better pay and prospects will have to be sympathatically considered.

The Superintendent of the Laboratory may be given the rank and status of a Gazetted Officer in view of the magnitude and importance of the work carried on in the Laboratory. The entire staff of the Laboratory should be given the benefit of the Departmental Provident Fund.

To give the public an adequate idea of the activities of the

the Laboratory, the commercial section may be designated as "Mysore Government Chemical & Pharmaceutical Works".

As a result of the increased activities in the commercial sections of the Laboratory, it is estimated that the total realizations will amount to Rs. one lakh and deducting the cost of establishment and other charges, there will be a nett saving of Rs.5000/- a year.

I request the approval of Government for proposals submitted above.

Kaiser Raj

Superintendent.

RMS)

ANNEXURE A.

Note on inter provincial reciprocal arrangements required regarding the export of alcohol and opium containing medicinal preparations.

Present Arrangements.

Import and Export excise permits are required for all alcoholic and opium-containing medicines, even for small consignments; for the matter of that, we have been informed that samples cannot be sent out of the State without a permit. The great hindrance to legitimate business and vexatious delay the existing regulations are causing all Indian manufacturers, can be appreciated when these formalities are examined.

A certificate from the Superintendent of the Factory manufacturing the drugs, giving full details of the alcohol and opium-contents of each item and the total quantity of alcohol and opium involved in the whole consignment has to be attached by the importer to his application for Excise Permit. The manufacturer has to to get the products analysed in an Excise or some other laboratory recognised by the Excise Department and get a certificate as to the actual alcohol and opium- contents before any action is taken. The fee for each import permit is Rs.1/8 which is not specifically a fee, but represents the value of the court fee label which must be affixed to the application.

Excise duty at the rate prevailing in the importing province may be prepaid and the receipt of payment sent with the application or it may be paid on receipt of advice from the Excise Commissioner. Even after these formalities are observed, it takes some time before the permits are granted. The consignment will have to be despatched after receipt of the permit. The importer cannot open the consignment until after the Inspector of Excise has verified it.

In contrast to these restrictions on the transport of spirituous medicinal preparation manufactured in India, the foreign manufacturers are at an enormous advantage in as much as their goods can go to any part of India once the duty is paid to the Customs Authorities at the port of entry.

Facilities Required regarding the export of spirituous and opium-containing drugs:-

The first and most important relief required is the

the abolition of the necessity of obtaining an import permit from the Excise Authorities of the Province of import. This has to be done by reciprocal arrangement between the Governments of the Different Provinces and Indian States. The Excise Authorities of the province of export may permit the transport of alcohol and opium-containing medicines after payment of duty on the spirit-content of the consignment at the rate prevailing in the province of import, this duty to be paid by the manufacturer at the treasury of the export province to be credited to the account of the importing state.

The procedure suggested is as follows: The Excise authority at the place of export(Excise Commissioner in Mysore) issues a permit to the manufacturer for sending a consignment after ascertaining to his satisfaction the contents of alcohol in the consignment. At the same time, he notifies the excise authority of the importing province of this fact and also informs him that duty onthe spirit-content at the rate prevailing in the importing province has been collected. This may be adjusted periodically in the inter-state exchange accounts as is being done at present.

Once this permit is issued by the Excise Commissioner in Mysore, there should be no further restriction on the free movement of the goods.

At present, the Chemical Examiner to the Government of Mysore is empowered to issue certificates regarding the spirit-content of medicinal preparations. This authority may be given to the Superintendent of the Laboratory.

Rai · Rao

Superintendent.

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ANNEXURE B.

PROGRAMME OF WORK FOR THE LAC FACTORY.

Present Staff.

Mr. N. K. Ranga Rao, B.Sc., Rs.75/- per month for one year from August, 1935.

Mr. Ranga Rao has been appointed by Government for one year from 20th August, 1935 (Vide G.O. No.G.1933-34/Ft 261-34-6 dated 20-8-1935). He was another seven months to serve and during this period, he has been asked to work on the following lines so that his work can be judged on some definite results obtained by the end of this period.

(1a) The Lac Factory has a large stock of Lac(nearly 24 tons) accumulated, a good part of it considerably damaged and the most urgent work will be to reduce this stock. The less deteriorated portion of the stock will be utilized for the manufacture of sealing wax, polishes etc., and the unutilizable portion will have to be sold for the best price obtainable. Samples have been sent to the Trade Commissioner for Mysore in London to get them valued and see if there is any prospect of sale.

(b) An accumulated stock of 15 tons of unwashed lac dust has also to be utilized to the best advantage. After cleaning and Washing, about 5 tons of utilisable dust can be obtained from this and will be used for the manufacture of polish.

(2a) Lacquering Sticks for the Toy Industry.

At present, all the lac used in lacquering work at Channapatna and other places is being imported from Bihar and all possible attempts will be made to make Mysore Lac suitable for use in this very important Mysore Industry. The two defects in Mysore Lac complained of by the manufacturers are its dark colour and comparative hardness. Attempts will be made to remedy artificially the natural dificiencies of Mysore Lac, which is at present propagated mostly on Jalari. Further, the Forest Department has been requested to see if Sagade Lac cannot be propagated as this variety is expected to be more suitable; as a matter of fact, all the lac imported from Northern India is Sagade Lac. The Lacquering Sticks manufactured

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manufactured will be tried both locally under direct supervision and also at Industrial School, Channapatna in collaboration with its Superintendent. The requirements of the trade will be studied so that a satisfactory material prepared from locally available raw material can be given.

(b) Coloured polishes like Mahogany Polish, Green Polish, etc., will be prepared for staining wood work, if possible merely by application with a brush.

(c) Cheaper varieties of Sealing Wax which are required by the middle class public, Railways & Offices will be prepared.

(3) Mr. Ranga Rao will also accumulate scientific data on the relation between fusing point, viscocity and hardness of different types of lac available locally.

(4) Attempts will be made to cheapen the cost of production by improving the efficiency of the existing processes of manufacture; this will enable the products to be sold at a lower price resulting in increased sales.

At present capital funds are available for the Lac Factory, and a sum of Rs.4,000/- will be necessary to introduce new machinery like mechanical shakers and mechanical arrangement for washing the Lac to save manual labour and for the purchase of some heating equipment for the manufacture of sealing wax and for the necessary heating lines etc. Some furniture and a typewriter are necessary. Slight building alterations also are required.

No working advance is available for the Lac Factory. A sum of Rs.6,000/- will be required for meeting the revenue bills, establishment charges, etc,.

Kan. Rao

Superintendent.

Note on the Programme of Research.

The Problems referred to the Laboratory are:-

1. Manufacture of Paris Green,
2. Use of molasses for Wood Preservation,
3. Manufacture of Glue,
4. Utilization of Indigenous Tanning materials, and
5. Manufacture of Dry Cells for flashlight batteries.

In addition to these, a number of problems concerning the manufacture of new products in the Pharmaceutical Section and Lac Factory are on hand. The manufacture of ink for supply to the Department of Stationery has also been referred. The different problems are discussed in detail below:

Manufacture of Paris Green.

This problem is being investigated in the Laboratory and a satisfactory product from scrap Copper Sheets, Arsenic and Acetic Acid, has been prepared and approved of by the Public Health Department. High acid distillates from Bhadravati has also been used satisfactorily in place of Acetic Acid to prepare a satisfactory product. Attempts to utilize Acetate of Lime have not, however, proved satisfactory. The work done so far has been purely on an experimental scale and it is proposed now to prepare the material on a semi-commercial scale so that data for the manufacture on a large scale may be obtained. This work would also enables us to find out the cost of the material manufactured locally.

Paris Green being a poison, care has to be taken to prepare it in a separate place, the risk of contamination of the medicines with this material being avoided. This will be done. A few racks and a separate shed will be necessary. Attempts will also be made to make use of the scrap Copper from the Electrical Department.

Wood Preservation.

Some experiments have been done on the antiseptic treatment of wood by impregnation with

1. Creosote-water emulsion

2. Arsenic and Molasses

3. Arsenic, Molasses and Copper Sulphate.

For want of better facilities for testing the resistance of these treated samples to wood-destroying fungi, they are being kept under observation buried in the ground both at Bhadravati and the Laboratory. These tests are necessarily very slow, the only rapid method of collecting reliable data being, mycological examination in collaboration with a mycologist. This has not been possible for want of proper help.

Probably, more valuable results can be obtained by treating railway sleepers and Balegi poles with the antiseptic solution, on a semi-commercial scale and using the treated timber in different parts of the State to study their durability. I mention this point of use in different parts of the State, because, it is know, that in places where the rainfall is very heavy, these processes of wood preservation are unsatisfactory, on account of the antiseptic being leached out by rain.

It is proposed to conduct regular and systematic investigations on these different processes both in the Laboratory and on a semi-commercial scale.

Manufacture of Glue.

Manufacture of Glue as a cottage industry has been successfully investigated and a note on the subject as well as samples have already been submitted. If this work has to be taken up in the tanneries where raw material is available extensively, any improvements necessary can be introduced only after examining the results of large scale manufacture there. Orders of Government are awaited as to how this industry has to be orginized.

Utilization of Indigenous Tanning Materials.

Considerable work has been done on this problem when I was in the Indian Institute of Science. The restoration of Thangadi to its original and rightful place as the premier tanning material of South India was taken up. Government have lost considerable Revenue on account of large imports of Wattle Bark from South Africa which is replacing Thangadi as the tanning bark in the local bar-tanneries.

The quality of Thangadi as a tanning material is unquestioned, but the whole question is one of price. The idea is to give the tanners, tannin in Thangadi at a price competitive with that obtained from Wattle Bark, which is being landed at very low price. A tannin extract manufactured in the locality where the bark is available is the obvious way of attacking the problem.

The problem resolves itself into

1. Manufacture of a satisfactory extract
2. Working out the correct way of using the extract and
3. Whether it is possible to manufacture the extract and sell it to the local tanners at a competitive price.

Considerable progress has been made under the first head. An extract of Thangadi was prepared and tanning experiments with it conducted at the tanneries under direct supervision. The chief defect found was that the extract-tanned leather is darker than the bark-tanned one. On the other hand, while a period of 22 days is usually required for tanning with Thangadi Bark, the whole process is completed in 13-14 days by using the extract. Further improvements have to be made in the extract, and this can be done in the Laboratory.

The second part of the work, viz., working out a correct way of using the extract, can be done either in the Laboratory with the help of an expert tanner or in the local tanneries where expert tanners and all other equipment required are available. For having experiments done in the Laboratory, certain fittings like under-ground tanks, drying shed, etc., will be necessary and the employment of an expert tanner is essential. A separate shed is of course necessary, as the dirty work of tanning resulting in foul smell emanating and spreading all over the place cannot be done in the present building where pharmaceuticals are being manufactured. On the other hand, if this work can be conducted in any tannery itself with the active help and co-operation of the owners, it would be very satisfactory. After all, the tanners are going to be the purchasers of the extract manufactured, and without their support, active co-operation and interest

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interest in the whole work, no progress would be possible, and even if there is progress, any practical outcome will be negligible.

Under these circumstances, I request orders whether the work has to be carried out in the Laboratory by employing an expert tanner or in one of the tanneries with the active help and co-operation of the owner, under my direct supervision.

Whether the extract can be manufactured and supplied to the local tanners at an economical price, can be decided only after manufacture on a semi-commercial scale.

Dry Cells.

This problem has been under investigation for some time, and considerable progress has been made. A fairly satisfactory product has been obtained and the cells will be placed on the market, as soon as practicable.

The problems proposed to be investigated in the Pharmaceutical Section are: Manufacture of new products like Paraffin Emulsion, Emulsion of Cod Liver Oil and Malt Extract and scale preparations like Iron and Ammonium Citrate and Iron and Quinine Citrate.

New problems proposed to be investigated on Lac Products and Road Surfacing Materials, are discussed in their proper places.

K. Ramakrishna Rao
Superintendent.

RRS)

STATEMENT I.

Staff of the Laboratory(sanctioned for two years 1st July 1935)

Superintendent on Rs.350/-	per mensem.
One Assistant Chemist on Rs.150/-	"
Two Assistant Chemists on Rs.100/- each,	"
One Mechanic on Rs.50/-	"
One Accountant on Rs.40/-	"
One Steno-Typist on Rs.30/-	"
One Laboratory Attender on Rs.20/-	"
One watchman on Rs.12/-	"
One Peon on Rs.12/-	"
One Office Boy on Rs.6/-	"

Bitumen Emulsion Section.

One Foremen on Rs.100/-	"
One Clerk on Rs.30/-	"
Six men on Rs.15/- each	"
2 boys on Rs.7/- each	"
One Boiler Watchman on Rs.15/-	"
One Fireman on Rs.12-8-0	"

Lac Factory.

One Chemist on Rs.75/- per month for a period of one year from August 1935.

N.B. No regular salaried staff has been sanctioned for the Lac Factory.

Total establishment charges as per scale sanctioned by Government Rs.~~1,158~~/- per month.
1206/8/-

Capital Advance.

Laboratory. Up till 1st July, 1935, Rs.54,989-7-0 During 1935-36, Rs. 11,000-0-0.

Sanctioned for 1935-36, but money available only during 1936-37:- Rs.12,000-0-0.

Bitumen Section.

During 1935-36, Rs.9,470/-

Lac Factory MIL

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Working Advance.

Laboratory,--	Rs. 20,000/-
Bitumen Section,--	Rs. 24,104/-
Lac Factory,--	Rs. NIL.

Kair Rao

Superintendent.

RMS)

STATEMENT NO. II

Statement showing the manufacture and transactions of the products of Government Industrial & Testing Laboratory for the half year ending December 1935.

S.No.	Names.	Quantity manufactured.	Sales to Med. Dept.	Outside sales.	Total sales.
		Lbs.	Lbs.	Lbs.	Lbs.
1.	Alcohol absolute	318	160	107	267
2.	Aqua Menthae pip con	-	-	1	1
3.	Extractum Buchu Liq.	-	-	-1	1
4.	,, Cascarae Sag Liq.	96	130	5	135
5.	,, Ergotae Liq.	435	603	-	603
6.	,, Glycyrrhiza Liq.	40	90	1	91
7.	,, Grindelia ,,	138	-	-	-
8.	,, Hydrastis ,,	104	-	-	-
9.	,, Nucis Vomicae,,	7	-	-	-
10.	,, Taraxaci ,,	2564	1400	23	1423
11.	,, Viburni ,,	121	150	6	156
12.	Lin. Belladonna	268	250	9	259
13.	,, Camp Ammoniate	-	-	5	5
14.	,, Opii	339	200	-	200
15.	,, Saponis	1205	1200	5	1205
16.	Liq. Quinine Ammoniata	943	755	9	764
17.	Spts. Aetheris Nitrosi	3	-	3	3
18.	Ammonia arom	3444	1951	34	1985

19.	,,	Camphorae			-	
20.	,,	Chloroformi	-	-	1	1
21.	,,	Rectificatus	1402	1201	-	1201
22.	Tincture	Belladonna	-	200	2	202
23.	,,	Benzoini Co.	-	298	3	301
24.	,,	Buchu	-	-	3	3
25.	,,	Calumba	-	250	-	250
26.	,,	Card Co.	2156	1425	16	1441
27.	,,	Chloroformi et morph Co.	-	-	-	-
28.	,,	Cinchonae Co.	868	-	-	-
29.	,,	Gentian Co.	855	795	8	803
30.	,,	Hyosyami	488	800	14	814
31.	,,	~~Iodi Mitis~~	3090	2663	11	2675
32.	,,	Ipecacuanhae	317	-	-	-
33.	,,	Lavendulae Co.	-	-	1	1
34.	,,	Lobeliae aetheria	-	300	3	303
35.	,,	Nucis Vomica	617	400	3	403
36.	,,	Opii	-	150	5	155
37.	,,	,, Camphorata	1706	1354	37	1391
38.	,,	Scillae	1278	1400	25	1425
39.	,,	Senegae	1293	1355	38	1393
40.	,,	Zingiberis mitis	873	1259	8	1266

S.No.	Names.	Quantity manufactured. Lbs.	Sales to Med. Dept. Lbs.	Outside sales. Lbs.	Total sales. Lbs.
41.	Cough Syrup	85	-	17	17
42.	Ciamqu	8	-	5	5
43.	Liquor Jolu	9	-	5	5
44.	Tincture Digitalis	-	200	1	201
	NON ALCOHOLIC.				
45.	Acid Acetic	628	600	-	600
46.	" Hydrochloric Dil	-	-	2	2
47.	" Nitric Dil	2	-	2	2
48.	" Sulphuric Dil	-	-	2	2
49.	Extractum Gentian	17	28	2	30
50.	Liquor Ammonia Fortis	-	50	5	55
51.	" " Acetatis Fortis	19	-	8	8
52.	" Arsenicalis	256	200	2	202
53.	" Arseni et Hydrargyri Iodidi	193	138	-	138
54.	" Ferriperchloridi Fort	51	50	1	51
55.	" Plumbi sub acetatis Fortis	51	50	1	51
56.	" Potassae	125	125	-	-
57.	Oxymel Scillae	21	-	6	6
58.	Pulvis Cretae aromaticus	108	250	14	164
	cum Opio	83	50	7	57
		28	90	8	33

62.	,,	Ipecacuahae opii	104	-	23	23
63.	,,	Jalapae radix	-	25	8	33
64.	,,	Hydrargyrum cum cretae	-	-	9	9
65.	,,	Nucis Vomicae	38	25	4	29
66.	,,	Jragacanth Co.	-	100	9	109
67.	Syrupus Aurantii		20	-	6	6
68.	,,	Calcii Hypophosphitis	-	-	2	2
69.	,,	Ferri Iodide	-	-	13	13
70.	,,	Ferri phosph cum quininae et stychnine	204	150	8	158
71.	,,	Hypophosphitum Co.	296	200	22	222
72.	,,	Jolutanus	-	-	5	5
73.	~~Ung~~	~~Hydrargyri~~	-	50	7	57.
74.	Calorene	5 lb.	~~1oz~~	~~100~~	2	152.
		36 oz.	18	-	18	18
		18 oz.	192 tins	-	136 tins	136tins
		10½oz.	51 ,,	-	82 ,,	82 ,,
75.	Lysol	1 lb.	285 ,,	-	322 ,,	322 ,,
		8 oz.	-	-	9	9
		4 oz.	-	-	15 bottles	15b6 t
76.	Emulfin with phenolphthalein		-	-	148 ,,	148 ,,
	,, without ,,		58 bottles	-	44	44
77.	Gripe Syrup	6 oz.	60 ,,	-	40	40
	,, ~~5T~~	4 oz.	395 ,,	-	64 bottles	64bts-
78.	Easton's syrup 4oz.		203 ,,	-	-	-
			-	-	22	22

Kai-Rau

Superintendent

Govt. Industrial & Fisheries Laboratory

OTHER PRODUCTS.

Turkey Red Oil	100%	2030	-	1967
,, ,, ,,	70%	5327	-	3696
,, ,, ,,	50%	-	-	1750

STATEMENT III Cont.

S.No.	Name.	Cost of raw materials per lb.	Cost of packing material per lb.	Cost of manufacture per lb.	Overhead charges per lb.	Total cost per lb.	S.P. to Medical Stores. per lb.	Profit per lb.
43.	Pul Gentian radin fine	0- 8-0	0- 2-0	0- 0-6	0- 1-6	0-12-0	0-13-0	0- 1-0
44.	,, Nucis Vomicae	0- 2-4	0- 1-9	0- 1-2	0- 3-0	0- 8-3	0-11-0	0- 2-9
45.	Syrup Eastoni	0- 6-3	0- 3-0	0- 1-3	0- 3-0	0-13-6	0-14-0	0- 0-6
46.	,, Ferri Iodide	0- 7-0	0- 2-0	0- 1-3	0- 3-0	0-13-3	1- 0-6	0- 3-3
47.	Ung. Hydrarguri	1- 1-6	0- 4-0	0- 1-1	0- 2-3	1- 8-10	1-10-	0- 1-2
48.	,, ,, Nitratis	0- 8-10	0- 4-0	0- 0-11	0- 2-3	1- 0-0	1- 0-0	-
49.	,, Resinae	0- 4-11	0- 2-2	0- 0-8	0- 2-3	0-10-0	0- 10-3	0- 0-3
50.	Calorene 36 oz.	0- 7-7	0- 6-1	0- 1-1	0- 2-3	1- 1-0	1-11-0	0-10-0
	10½oz.	0- 2-10	0- 3-8	0- 0-4	0- 0-8	0- 7-6	0- 11-3	0- 3-9
51.	Lysol 1 lb.	0- 3-8	0- 3-8	0- 0-6	0- 1-6	0- 9-4	0-11-0	0- 1-8

Kan Rai

Superintendent.

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BMS)

21.	"	Iodine	0- 6-3	0- 2-5	0- 0-11	0- 2-3	0-12-1	0-13-9	0- 1-8
22.	"	Lobeliae aetherea	0-10-0	0- 2-2	0- 0-6	0- 2-3	0-14-11	1- 0-6	0- 1-7
23.	"	Nucis Vomicae	0- 2-0	0- 2-2	0- 1-1	0- 3-9	0- 9-0	0-10-0	0- 1-0
24.	"	Opii	1-10-6	0- 2-2	0- 0-10	0- 2-3	1-15-9	2- 0-0	0- 0-3
25.	"	Quinine Ammoniata	0- 6-7	0- 2-5	0- 0-7	0- 3-9	0-13-4	0-14-3	0- 0-11
26.	"	Scillae	0- 2-5	0- 2-2	0- 0-8	0- 2-3	0- 7-6	0- 9-6	0- 2-0
27.	"	Senegae	0- 7-2	0- 2-2	0- 0-10	0- 2-3	0-12-3	0-15-6	0- 3-3
28.	"	Zingeberis	0- 2-9	0- 2-2	0- 0-8	0- 2-3	0- 7-10	0- 9-9	0- 1-11
29.	"	Ipecac	0- 6-10	0- 2-2	0- 1-3	0- 3-9	0-14-0	0-14-6	0- 0-6
30.		NON ALCOHOLIC.							
30.	Acid	Acetic	0- 2-0	0- 2-2	0- 0-6	0- 1-6	0- 6-2	0- 6-9	0- 0-7
31.	Emplastrum Belladonna		0- 7-9	0- 0-2	0- 1-7	0- 3-0	0-12-6	0-14-0	0- 1-6
32.	"	Ammoniac Resinae	0- 3-8	0- 0-2	0- 0-8	0- 3-0	0- 7-6	0- 8-0	0- 0-6
33.	Ext.	Belladonna Viride	1-13-0	0- 3-9	0- 3-9	0- 3-9	2- 8-3	3- 0-0	0- 7-9
34.	"	Gentian	1- 6-6	0-13-4	0- 1-4	0- 1-6	2- 6-8	3- 0-0	0- 9-4
35.	Fehlings alkaline solution 4 oz.		0-10-8	0- 4-0	0- 1-0	0- 1-8	1- 1-4	1- 2-0	0- 0-8
36.	"	Copper Solution 4 oz.	0- 1-0	0- 4-0	0- 0-8	0- 1-8	0- 7-4	0- 8-0	0- 0-8
37.	Liquor Ammonia Fortis		0- 5-5	0- 2-5	0- 0-7	0- 1-6	0- 9-11	0-12-0	0- 2-1
38.	"	Plumbi Sub acetatis Fortis	0- 2-0	0- 2-2	0- 0-9	0- 2-3	0- 7-2	0- 8-0	0- 0-10
39.	"	Potassae	0- 0-6	0- 2-6	0- 0-4	0- 2-3	0- 5-7	0- 7-0	0- 1-5
40.	Pill Scillae Co.		0- 4-11	1- 2-2	0- 1-0	0- 2-3	1-10-4	1-12-0	0- 1-8
41.	Pul cret arom		0- 5-0	0- 1-9	0- 1-0	0- 2-3	0- 10-	0-13-0	0- 3-0
42.	"	" " cum opio	0-12-0	0- 1-9	0- 1-6	0- 2-3	1- 1-6	1- 4-0	0- 2-6

STATEMENT III

S.No.	Name.	Cost of raw materials per lb.	Cost of packing material per lb.	Cost of manufacture per lb	Overhead charges per lb	Total cost per lb	S.P.To Medical Stores per lb	Profit per lb
1.	Absolute Alcohol	0- 3-2	0- 2-2	0- 0-10	0- 1-6	0- 7-8	1- 0-0	0- 8-4
2.	Chlorodyne (Tr.Chloroformi et Morph Co)	2- 0-8	0- 2-2	0- 1-3	0- 3-9	2- 7-10	2-10-0	0- 2-2
3.	Ext. Grindelia liquid	0-10-0	0- 2-2	0- 2-4	0- 2-3	1- 0-9	1- 1-0	0- 0-3
4.	" Glycyrrhizae Liq.	0- 7-1	0- 2-2	0- 2-0	0- 2-3	0-13-6	1- 0-0	0- 2-6
5.	" Taraxaci Liq,	0- 9-1	0- 2-2	0-2-6	0-2-3	1- 0-0	1- 0-0	
6.	" Cascarae Sagradae Liq,	0-[illegible]-0	0- 2-2	0- 2-7	0- 2-3	0-14-0	0-15-6	0- 1-6
7.	" Viburni Liq.	1- 7-6	0- 2-2	0- 2-6	0- 2-3	1-14-5	2- 0-0	0- 1-7
8.	Lin. Belladonna	0- 8-10	0- 2-2	0- 2-0	0- 3-0	1- 0-0	1- 1-6	0- 1-6
9.	" Opii	0-15-0	0- 2-2	0- 0-11	0- 3-0	1- 5-1	1- 6-0	0- 0-11
10.	" Saponis	0- 3-1	0- 2-2	0- 0-10	0- 2-3	0- 9-1	0-10-6	0- 1-5
11.	Spts. Aetheris nitrosi	0- 2-6	0- 2-5	0- 1-10	0- 3-9	0-10-6	0-11-0	0- 0-6
12.	" Ammonia aromaticus	0- 2-5	0- 2-5	0- 1-0	0- 3-9	0- 9-7	0-10-6	0- 0-11
13.	Tin. Belladonna	0- 2-4	0- 2-2	0- 1-0	0- 3-9	0- 9-3	0-10-6	0- 1-3
14.	" Benzoin Co.	0- 6-8	0- 2-2	0- 0-6	0- 2-3	0-11-7	0-12-6	0- 0-11
15.	" Calumba	0- 1-9	0- 2-2	0- 0-9	0- 2-3	0- 6-11	0- 9-0	0- 2-1
16.	" Camphor Co.	0- 3- 0	0- 2-2	0- 0-11	0- 3-9	0- 9-10	0-11-0	0- 1-2
17.	" Card Co.	0- 2-11	0- 2-2	0- 0-8	0- 2-3	0- 8-0	0- 9-6	0- 1-6
18.	" Cinchonae Co.	0- 4-2	0- 2-2	0- 0-7	0- 3- 9	0-10-8	0-12-0	0- 1-4
19.	" Gentian Co.	0- 2-6	0- 2-2	0- 0-10	0- 2-3	0- 7-9	0- 9-[illegible]	
20.	" Hyoscyami	0- 2-5	[illegible]	[illegible]				

STATEMENT IV (A)

Alcoholic preparations liable to Excise duty.

S.No.	Names.	Cost price per Lb.	Within Mysore State				Outside the State			
			Present S.P. including duty per lb.	Gross realisation after deducting duty commission & C.P. per lb.	Proposed S.P. including duty per lb.	Gross realisation after deducting duty commission C.P. per lb.	Present S.P. including duty per lb.	Gross realisation after deducting duty commission & C.P. per lb.	Proposed S.P. including duty per lb.	Gross realisation after deducting duty commission & C.P. per lb.
1.	Ext. Cascarae Sag Liq.	0-14-0	2- 0-0	0-10-2	2- 0-0	0-10-2	2- 6-0	0-11-7	2- 4-0	0- 9-9
2.	,, Glycyrrhizae Liq.	0-13-6	1-12-0	0- 7-1	1-12-0	0- 7-1	1-14-0	0- 5-11	1-12-0	0- 8-2
3.	,, Grindeliae Liq.	1- 0-9	2- 8-0	0-14-5	2- 8-0	0-14-5	-	-	2-10-0	0-13-8
4.	,, Taraxaci Liq.	1- 0-0	2- 4-0	0-11-8	2- 2-0	0- 9-10	2- 4-0	0- 7-10	2- 4-0	0- 7-10
5.	Lin. Belladonna	1- 0-0	3- 4-0	1- 3-4	3- 0-0	0-15-10	3- 7-0	0-11-8	3- 6-0	0-10-11
6.	,, Camph Ammoniata	0-12-3	2-12-0	1- 2-5	2-10-0	1- 0-8	2-14-0	0-12-4	2-12-0	0-10-10
7.	,, Opii	1- 5-1	3- 8-0	1- 4-6	3- 8-0	1- 4-6	3- 8-0	0-13-1	4- 0-0	1- 4-1
8.	,, Saponis	0- 9-1	2- 8-0	1- 1-2	2- 8-0	1- 1-2	2-11-0	0-10-11	2-10-0	0-10-2
9.	Liq. Quinine Ammoniata	0-13-4	2- 8-0	0-14-3	2- 6-0	0-12-6	2-14-0	0-12-1	2- 8-0	0- 6-10
10.	Spt. Aetheris nitrosi	0-10-6	2-10-0	0-14-9	2- 6-0	0-10-9	3- 4-0	0-11-0	2-10-0	0- 2-3
11.	,, Ammonia arom	0- 9-7	2- 2-0	0-10-8	1-14-0	0- 7-2	2-12-0	0- 9-11	2- 4-0	0- 2-11
12.	Tin. Card Co.	0- 8-0	1-12-0	0- 9-3	1-12-0	0- 9-3	2- 5-0	0- 9-10	1-12-0	0- 2-0
13.	,, Cinchonae Co.	0-10-8	2- 7-0	0-14-6	2- 0-0	0- 8-2	2-12-0	0- 9-6	2- 6-0	0- 4-3
14.	,, Gentiain Co.	0- 7-9	1-12-0	0-10-7	1- 8-0	0- 7-1	2- 2-0	0- 9-8	1-10-0	0- 2-8
15.	,, Hyoscyami	0- 9-9	2- 4-0	0-12-2	1-14-0	0- 6-11	2-12-0	0- 9-7	2- 4-0	0- 2-7

16.	,, Iodi Mitis (Rect.Spts.)	0-12-1	3- 8-0	1- 8-9	3- 4-0	1- 5-3	4- 0-0	1- 3-7	3-10-0	0-14-4
17-	,, Opii	2- 1-3	3-10-0	0-11-5	3- 8-0	0- 9-8	4- 6-0	0-15-10	3-10-0	0- 5-4
18.	,, ,, Camphorata	0- 9-10	2- 4-0	0-13-6	1-14-0	0- 8-3	2- 8-0	0- 8-10	2- 4-0	0- 5-4
19.	,, Scillae	0- 7-6	2- 1-0	0-13-10	2- 0-0	0-12-10	2- 5-0	0- 9-6	2- 3-0	0- 7-9
20-	,, Senegae	0-12-3	2-14-0	1- 3-10	2- 8-0	0-12-7Ø	2-14-0	0-11-8	2-10-0	0- 7-2
21.	,, Zingiberis mitis	0- 7-10	2-12-0	1- 2-2	2- 4-0	0-11-2	3- 3-0	0-11-8	2- 8-0	0- 2-2
22.	Ciamqu 3 oz.	0- 6-0	1- 6-0	0- 9-1	1- 6-0	0- 9-1	1- 8-0	0- 9-2	1- 8-0	0- 9-2
23.	Cough Syrup 3 oz.	0- 3-6	0-10-0	0- 3-7	0-10-0	0- 3-7	0-10-0	0- 3-3	0- 10-0	0- 3-3

ALL THESE PRICES ARE NATURALLY SUBJECT TO REVISION IN A HIGHLY COMPETITIVE MARKET.

Kai Ram

Superintendent.

STATEMENT IV (B)

Non-alcoholic Medicinal preparations and other products not liable tp Excise duty.

S. No.	Names.	Cost Price per lb.	Prices applicable both in and out side Mysore State. Present S.P. per lb.	Gross realisation after deducting C.P &Commission per lb.	Proposed S.P. per lb.	Gross realisation after deducting C.P. and commission per lb.
1.	Acid Acetic	0- 6-9	0- 9-0	0- 1-1	0- 9-0	0- 1-1
2.	Ext. Gentian per oz.	0- 3-9	0- 6-3	0- 1-9	0- 5-0	0- 0-7
3.	Liq. Ammonia Fortis	0-13-8	1- 8-0	0- 7-4	1- 8-0	0- 7-4
4.	,, Arsenicalis	0- 5-10	0-10-0	0- 2-11	0-10-0	0- 2-11
5.	Pul. Gretae arom	0-10-0	1- 1-0	0- 4-10	1- 1-0	0- 4-10
6.	,, ,, ,, cum opio	1- 1-6	2- 1-0	0-11-4	2- 1-0	0-11-4
7.	,, Glycyrrhizae Co.	0- 9-10	1- 0-0	0- 4-2	1- 0-0	0- 4-2
8.	Syrup Aurantii	0- 6-5	0-13-0	0- 6-0	0-12-0	0- 4-1
9.	,, Ferri Iodide	0-13-3	1- 8-0	0- 4-9	1- 8-0	0- 4-9
10-	,, Eastoni B.P.	0-13-4	1- 6-0	0- 5-11	1- 6-0	0- 5-11
11.	,, Tolutanus	0- 8-1	0-12-0	0- 2-5	0-12-0	0- 2-5
12.	Ung. Hydrargyri	1- 3-10	2- 8-0	0-10-2	2- 8-0	0-10-2
13.	Caloreue 5lb.	2- 4-0	4-12-0	1- 5-0	4-12-0	1- 5-0
	36 oz.	1- 1-0	2- 4-0	0-10-0	2- 4-0	0-10-0
	18 oz.	0-12-0	1- 8-0	0- 6-0	1- 8-0	0- 6-0
	10½oz.	0- 7-6	0-15-0	0- 3-9	0-15-0	0- 3-9
14.	Lysol 1 lb.	0- 9-4	0-15-0	0- 3-5	0-15-0	0- 3-5
	8 oz.	0- 5-6	0- 9-0	0- 2-2	0- 9-0	0- 2-2

15.	Emulfin with phenolphthalein 8 oz. ,, without ,, 8 oz.		0- 7-0	1- 8-0	0-11-0	1- 8-0	0-11-0
16.	Gripe Syrup	6 oz	0- 4-0	0-14-0	0- 6-6	0-14-0	0- 6-6
16.		4 oz.	0- 3-1	0-10-0	0- 4-5	0-10-0	0- 4-5
17.	Special Easton's Syrup	4 oz.	0- 4-11	0-12-0	0- 4-1	0-12-0	0- 4-1

It is seen from Statement IV(A) and IV(B) that the gross realisations in some cases look considerable, especially in the case of specialities like Calorene, Gripe Syrup, Ciamqu, Cough Syrup, Emulfin and Easton's Syrup. But these figures will be reduced very largely on account of other charges due to advertisement and canvassing, which can not be allocated to the different items with any accuracy, but will have to be distributed on the total sales. The charges on the individual items will be inversely proportional to the sale.

ALL THE PRICES ARE SUBJECT TO REVISION IN A HIGHLY COMPETITIVE MARKET.

Kani Rao

Superintendent.

RNS)

Statement 2.

Statement showing the list of stock transfered with the Lac Factory.

S. No.	Particulars.		as.	Lbs.
1.	Crude Lac	(Jalari)	1,[illegible]	14
2.	Lac dust	(cleaned)	21[illegible]	20
3.	Washed Lac	(Jalari)	1,930	11
4.		(Sagade)	2	0
5.	Lac dust	(Sagade)	15	24
6.		(Jalari)	1,113	23
7.		(Phelu)	130	8

	Polishes.	Cls.	Lbs.
8.	Lac polish	32	150
9.	Shellac Varnish	14	157
10.	Sagade polish	1	45
11.	Light Coloured polish	3	35
12.	Turpentine polish	4	100
13.	Alcohol	[illegible]	0
14.	Sundries	[illegible]	0
15.	Resin	[illegible]	-

	Sealing Wax.	Cases.	Lbs.
16.	Sealing wax (Special Qual)	1	10
17.	" (1st Grade)	0	196
18.	" (2nd ")	0	125
19.	" (Other ")	0	855
20.	Vermillion (Lac)		155
21.	" (Imitation)		104
22.	Garbel		85
23.	Carbonaffin		400
24.	Lac dye		12
25.	Saffron;Lac [illegible]		20
26.	Empty bags		92
27.	Under washing, 60 [illegible]	24 [illegible]	

List of [illegible]

S.No.	Name of article.	Stock.
1.	[illegible]	[illegible]
2.	[illegible]	[illegible]
3.	[illegible]	[illegible]
4.	[illegible]	[illegible]
5.	[illegible]	[illegible]
6.	[illegible]	[illegible]
7.	[illegible] boxes of one pound (special)	1[illegible]
8.	" " No.1 and 2	2,221 "
9.	" " ½ lb. boxed	1,[illegible] "
10.	Empty beer bottles	282 bottles
11.	Glasses	7 e
12.	10 gls. of methanol taken as loan from Scientific Instruments Syndicate-Bangalore for very urgent factory use during Oct.35, to be returned by the factory after [illegible]	

List of book belonging to the Lac Factory.

1.	Rules and rates for the conveyance for explosive.	one
2.	Manufactures of Paints and Varnish in India	one
3.	Indian Trade Cyclopaedia	one
4.	Exhibition Certificates with frames	seven
5.	Factory manual	one
6.	Indian Perfumes, Essences and Hair oils	one
7.	Industrial carbon	one
8.	Alipore Test Certificate	five

List of Stores, tools and Plants of the Govt. Lac Factory.

	Name of articles.	No. or quality.
	Basins	7
	Sauspans	4
	Knives	13
	Measuring -8 ounce glass--one) 16 " one)	2
5.	Brass seal - G.L.F. (round)	1
6.	" " (Rectangal)	1
7.	Gun metal mould	1
8.	Steel mould	1
9.	Mortar and pestal (iron)	1
10.	" " (porcelain)	1
11.	Carboys	22
12.	Sealing wax measuring sticks(iron)	7
13.	" " polishing thick glasses	2
14.	Turpentine empty- 5 gallons tin	2
15.	" " 5)	1
16.	Spoons	7
17.	Shellac drums	
18.	Two and half gallons capacity tins	424) nil.
19.	Lids folded	820) un-
20.	" flat	925) serviceable
21.	Grinding mill (on loan account and this would be returned on demand)	1
	Iron cocks	4
	Brass locks (without key)	2
	Buckets	3
	Water pots	6
	Lanterns (without chimney)	1
	Iron drums	1
	Table with drawers	1
	" without drawers	1
	Chair box wood	2
	Stools	2
	Desk with drawers	1
	" without drawers	1
	Weights (iron) ½ oz. to 4 lbs.	set
	Stoves	1
	Galvanised Iron tray	1
	" funnel	1
	Brass cock	1
	Cock discharge	1
43.	Crane	1
44.	Air pump	1
45.	Tinned stand	1
46.	Hand saw	1
47.	Thermometer	1
48.	Salter balance	1
49.	Box of weight	1
50.	Measuring 1,000 c.c.	1
	Teak Barrels	2
	Water cock	1
50.	Stone Vats	8
51.	Sealing Wax show case	1
52.	Glass Stappered bottles	5
53.	Letter press(on loan and this should be returned on demand)	1
54.	Galvanised Iron gutters	2
55.	Tongs	2
56.	Charcoal Stoves.	2
57.	Steel Hammer	1

Iron Locks
Special gravity-Balance with rider box.
60. One table with balance and two pans

TRUE COPY

Ram Ray

Superintendent,
Govt. Industrial & Testing Laboratory.

Allocation of work among the different Assistants in the Laboratory.

Mr. B.H. Krishna, M.Sc., is in charge of the Pharmaceutical Section and is responsible for the new work required for the development of the Pharmaceutical Section. He keeps in touch with the Superintendent, Medical Stores periodically in order to see that there are no complaints and avoid any delay in supplies. In short, he is responsible for all the routine work of the Laboratory (Pharmaceutical Section).

Mr. C. Varadhan, M.Sc., He is in charge of the work on Dry Cells for Flash Light Batteries and also works on new products like Paraffin Emulsion, Cod Liver Oil Emulsion, etc.

Mr. S.L. Janniah, B.Sc. He is responsible for all the Analytical work in the Pharmaceutical Section.

Mr. S.G. Sastry, (Junior), B.Sc. He is doing the work on the manufacture of Inks and Paris Green.

Mr. K. Shamanna, B.Sc., (on wages establishment). He looks after the manufacturing work and also Stores. He is responsible for the maintanence of Alcohol accounts.

Mr. N.K. Ranga Rao, B.Sc. He is in charge of the work of the Lac Factory.

Four new Chemists have been recommended now. Mr. S.G. Sastry, (Junior) transferred from the Soap Factory counts against one of the new appointments. Mr. K. Shamanna has been recommended to fill one of the vanancies, so that only two appointments have to be made now. One of the new men will be in charge of the investigations and the other will be employed in the Bitumen Section.

K. Rao

PRF-5). Superintendent.

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Rai. Rao

PRF-5). Superintendent.

Meeting of the Second Member of Council at the Industrial and Testing Laboratory at 8.30 a.m. on Wednesday the 8th April 1936.

S1

Subjects for discussion.

Sl. No.	File No.	S u b j e c t.
1.	I.&C. 215-35	Proposals for the reorganisation of the Laboratory.
2.	" 83-35	Increased working capital of Rs.75,000 to the several Sections and Rs.15,000 to the Research & Laboratory.
3.	" 258-35	Additional capital equipment of Rs.13,300 to the Laboratory and the Lac Factory.
4.	" 257-35	Purchase of a Motor Lorry for the Laboratory.
5.	" 83-35	Additional working advance of Rs.15,000 to the Bitumen Section during the current year.
6.	" 167-35	Additional working advance of Rs.20000/- to the Pharmaceutical Section during the current year.
7.	" 83-35	Proposals for retaining by the Laboratory of the assets and meeting its liabilities.

PROVISIONAL.

Balance Sheet as on 29-2-1936.

Govt. Soap Factory: Net Drawings				Fixed Capital Expenditure.	Rs 59,318-12- 6
Fixed	Rs 59,318-12- 6			Sundry Debtors Rs 27,518-14-1	
Working	" 72,270- 2- 0			Less Reserve for Bad & Doubtful Debts. " 1,508- 5-9	" 26,010- 8- 4
		Rs 1,31,588-14- 6			
Suspense Account		" 4,885- 2- 4		Advance	" 212- 2- 0
Outstanding Payments		" 6,003- 6- 9		Bitumen Plant	" 20,574- 2- 5
Depreciation Reserve		" 6,783- 0- 0		Stock on hand:	
Difference in books		" 0- 8- 0		Work-in-process Rs 8,233-15-10	
Profit & Loss Account:				Raw materials " 29,314- 0-10	
Balance as per last balance sheet.	Rs 8,012-5-0			Finished goods " 10,686-13- 6	" 48,234-14- 2
Net Profit B/F from Profit & Loss Account.	" 790-5-1	" 8,802-10- 1		Govt. Lac Factory	" 944- 4- 3
				Honorarium Account	" 2,728- 1- 6
				Cash outstanding	" 40-12- 6
Total ...		Rs 1,58,063- 9- 8		Total ...	Rs 1,58,063- 9- 8

PRF-6).

Superintendent.

PROVISIONAL.

Manufacturing Account for the period ending 29-2-1936.

To Opening Stock:			By Closing Stock:		
Work-in-process	Rs 5,126-12-8		Work-in-process	Rs 8,233-15-10	
Raw materials	" 24,811-13-5		Raw materials	" 29,314- 0-10	
		Rs 29,938-10- 1			37,548- 0- 8
" Purchase of raw materials		" 26,718- 4- 6	To Stock manufactured during the period transferred to Trading Account.		Rs 24,170- 4-11
" Wages		" 2,541- 1- 0			
" Power		" 143- 8- 0			
" Heating charges		" 20-14- 0			
" Water charges		" 406- 0- 0			
" Supervision		" 1,950- 0- 0			
Total ...		Rs 61,718- 5- 7	Total ...		Rs 61,718- 5- 7

Trading Account for the period ending 29-2-1936.

To Opening Stock of finished goods		Rs 14,172- 0- 6	By Sales:		
" Manufactured Stock B/F from manufacturing Account.		" 24,170- 4-11	Credit	Rs 39,530- 7- 0	
" Comission		" 449- 9- 0	Cash	" 356-14- 3	
" Carriage outwards		" 273-11- 0		" 39,887- 5- 3	
" Duty on sales		" 699- 7- 5	Less returns	286- 8- 0	" 39,(3- 3
" Gross Profit transferred to Profit and Loss Account.		" 10,522- 9-11	Closing Stock of Finished Goods		" 10,(3- 6

Total	...	Rs	50,287-10- 9	Total	...	Rs	50,287-10- 9

Profit and Loss Account for the period ending 29-2-1936.

To Establishment		Rs	4,358- 9- 9	By Gross Profit B/F from Trading Account.		Rs	10,522- 9-11
" Repairs and Renewals		"	498-15- 0	Miscellaneous Receipts		"	180- 1- 9
" Consumable Stores		"	383- 2- 2				
" Postage & Telegrams		"	119- 1- 9				
" Journals & Periodicals		"	54-12- 0				
" Books		"	163-12- 8				
" Trade & Advertisemnt charges		"	246- 1- 0				
" Chemicals		"	229-10- 0				
" Experimental Works		"	714-10- 3				
" Stationery & Printing		"	193- 5- 0				
" Lighting charges		"	80-11- 0				
" Depreciation for 8 months		"	2,869-12- 0				
" Net Profit carried forward to Balance Sheet		"	790- 5- 1				
Total	...	Rs	10,702-11- 8	Total	...	Rs	10,702-11- 8

PRF-6).

Superintendent.

No 176/20.

25th May 1936.

My dear Sir,

I am desired to request that, pending final orders on the proposals for the re-organisation of the Industrial and Testing Laboratory submitted by you, the following arrangements may be made for the work of the Laboratory in place of Dr. Aswathnarain Rao who has been given leave:-

Mr. K. Parthasarathi, Assistant Director of Industries and Commerce will exercise general supervision over the Pharmaceuticals and Research Section in respect of sales, Accounts and general policy.

Mr. B.H. Krishna will be placed in direct charge of the manufacture of Pharmaceuticals and Research work.

Bitumin and Lac products will be under the complete charge of Mr. K. Parthasarathi.

Yours sincerely,

S. Abdul Wajid, Esq., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore.

176
2 Sheets
475

Draft.

27

My dear Sir,

I am desired to request that, pending final orders on the proposals for the re-organisation of the Industrial and Testing Laboratory submitted by you, the following arrangements may be made for the work of the Laboratory in place of Dr. Aswathanarain Rao who has been given leave.-

Mr. K. Parthasarathi, Assistant Director of Industries and Commerce will exercise general supervision ~~fm~~ over the Pharmaceuticals and Research Section in respect of sales Accounts and general policy.

Mr. B.H. Krishna will be placed in direct charge of the manufacture of Pharmaceuticals and Research work.

Vitamin and Lac products will be under the charge of Mr. K. Parthasarathi.

Yours sincerely,

MW

S. Abdul Wajid, Esq., B.A.,
Director of Industries and
Commerce in Mysore,
Bangalore.

Appendix F G—1]

SUBJECT.....

.....

.....

Section DrC

File No. 215-35

Serial No.

Diary No. of letter replied to..... D/ No. D-6046-49.

~~To~~

General and Revenue Secretariat

( )

the *193*

Date of issue 4/4/36

Signed by M K Subbaraman

Dear Sir,

I am desired to state that the Second member of Council will be glad to discuss with you and the marginally noted officers, proposal for the re-organisation of the D & T. & the Rac factory Laboratory, and to request you kindly to make it convenient to meet him at the Laboratory at 8-30 a.m. on Wednesday the 8th instant.

~~The favour of an acknowledgment is requested~~

List of enclosures.....

Copied by .....

Examined by.....

Yours Sincerely

Sd.

4/4/36

WD 03601—GPB—30,000—23-9-35

To The Dir. DrC
Senior Surgeon.
Ch. Chem. & Fr.
Dep. Dir. D & T. Laboratory

GENERAL AND REVENUE SECRETARIAT,

D. O. No.

Dated, Bangalore. 4th pril 1936

Dear Sir,

I am desired to state that the Second Member of Council will be glad to discuss with you and the marginally noted Officers, proposals for the reorganisation of the Industrial and Testing Laboratory and the Government Lac Factory, and to request you kindly to make it convenient to meet him at the Laboratory at 8.30 a.m. on Wednesday the 8th instant.

1. The Dir. Ind
2. " Senior Surgeon
3. " Dev. Secy to Govt
4 " Chief Conservator of Fs.
5 " Supdt. Ind. Laboratory.

Yours sincerely,

Proceedings of the Government of
His Highness the Maharaja of Mysore.

***** :0: *****

R e a d : -

Letter No. - dated the 6th February 1936 from the Director of Industries and Commerce in Mysore submitting proposals in regard to the reorganisation of the Industrial and Testing Laboratory.

2. Government Order No. D. 6305-6/37 245-35-4 dated the 21-4-36, permitting Dr. K. Aswatha-Narayana Rao to resign the appointment of Superintendent, Industrial and Testing Laboratory.

Camp Order No. D. 26-29 / 37 & 215-35-2
Dated, ~~Bangalore~~, Mysore, 6th June 1936

In addition to the research and investigation of problems of Industrial interests and testing of materials for the Stores Purchase Committee, the Laboratory has been entrusted with the manufacture of Pharmaceuticals, Bitumen Emulsion and Lac products. Government consider it necessary that the work of the different branches should be kept distinct from each other and their accounts maintained separately, and that the following arrangements be made for supervision after Dr. K. Aswathanarayana Rao is relieved of his duties as Superintendent:-

(1) Mr. B.H. Krishna will be designated as Chief Chemist, Industrial and Testing Laboratory, and will be placed in direct charge of the Pharmaceuticals and Research Departments. His pay will be raised to Rs. 200/-.

Rs. 200/-.

(2) The manufacture of Bitumen emulsion and lac product will be under the control of Mr. K. Parthasarathi, Assistant Director of Industries and Commerce, who will also exercise general supervision over the Pharmaceuticals and Research Sections in respect of sales, accounts, and general policy.

(3) The Deputy Director of Industries will continue to inspect the factory, give directions and guide the general policy. He is not expected to be in daily touch with the routine administration.

2. The present staff requires to be strengthened to cope with the additional work and Government are pleased to approve of the Director's proposal that the posting of Mr. S.G. Sastry, (Junior) be made permanent, that Mr. Shamanna on the work staff be taken as a Chemist on the monthly rated staff and that ~~three~~ two new Chemistry Graduates be appointed as ~~apprentices~~ probationers on Rs. 60/- and trained for work in the various Sections. Their distribution among the various units will be as shown in the appendix to this order. The Senior Surgeon is requested to arrange for the services of a trained Pharmacologist being made available to the Industrial and Testing Labaratory for part time work in the Labaratory in addition to his normal duties in the Department.

3. Government also direct that a Committee consisting of the following officers be constituted to review ~~xxxx~~ the progress of the Pharmaceutical section and to advise in regard to the

the manufacture of new products:-

(1) The Senior Surgeon,

(2) The Director of Industries and Commerce,

(3) Mr. S.G. Sastry,

(4) Mr. B.H. Krishna,

~~will be~~ (Secretary) ~~to the Committee.~~

4. The capital and Revenue accounts of the three Departments should be separated as early as possible and the Assistant Director in charge may be allowed to have a direct drawing account with the Comptroller. The amount so far drawn from the reserve and Revenue accounts of the Soap Factory may be adjusted and the amount shown as drawn from the Comptroller direct. The working advances of the various sections will be fixed as follows:-

	Rs.
Pharmaceuticals	60,000
Bitumen plant	10,000
Lac Factory	5,000

In order to improve the working of the department and enable new products being manufactured, the following provision will be made for capital expenditure in the budget for the next year:-

	Rs.
Pharmaceuticals	25,000/-
Lac Factory	5,000/-

5. The expenditure relating to research reduced by the fees paid by the Stores purchase Committee will be debited to the General Budge of the Industries and Commerce Department.

6. Separate orders will issue in regard to the ministerial and other staff of the Industrial and Testing Laboratory.

4. 43

Laboratory.

Secretary to Government,
Development Department

To

The Director of Industries and Commerce,

The Comptroller to Government
through Financial Secretariat.

The Senior Surgeon,

LFW

A p p e n d i x

(a) Pharmaceuticals -

(1) Mr. B.H. Krishna,
Chief Chemist,

(2) Mr. S.L. Janniah,

(3) Mr. K. Shamanna,

(4) & ~~(5)~~ One ~~Two~~ Probationers.

(b) Research -

(1) Mr. B.H. Krishna, Chief Chemist,

(2) Mr. C. Varadan,

(3) Mr. S.G. Sastry (Junior),

(c) Lac Factory -

(1) Mr. N.K. Ranga Rao,

(2) One ~~Chemist~~ Assistant to be newly appointed.

Telegraphic Address:—"INDUSCOM."

6340

GOVERNMENT OF MYSORE.

29 JUNE 1936

DEPARTMENT OF INDUSTRIES AND COMMERCE.

DEVELOPMENT BRANCH

In reply please refer to
No D2-262/35-36
Encl. One.

OFFICE OF THE DIRECTOR,

Dated Bangalore, 27th June, 1936.

29/6/36

FROM

9 Ec. 215-35-3

S. Abdul Wajid, Esq., B.A.,
Director of Industries and Commerce in Mysore,
Bangalore (Inaia).

To

M. Venkatanaranappa, Esq., B.A.,
Secretary to the Government of Mysore,
Development Department, Bangalore.

SIR,

Industrial and Testing Laboratory - Appointment of Chemists.

With reference to G.O.No.Camp.26-29/I&C.215-35-2 dated Mysore 6-6-1936 ordering among other things (i) the appointment permanently of Mr. S.G. Sastry (Junior) in the Industrial & Testing Laboratory, (ii) the transfer of Mr. Shamanna from the work-staff to the monthly rated staff, and (iii) the entertainment of two new Chemistry Graduates as Probationers on Rs.60/- per mensem for work in the various sections of the Laboratory, I have the honour to state as follows:-

Mr. Shamanna who is now on the work staff of the Laboratory will, as approved by Government, be taken on the regular staff of Chemists with effect from 6-6-1936. The pay on which Mr. Shamanna has to be started has not been definitely mentioned in the Government Order. He is associated with the Pharmaceutical Section from its inception and his work has been highly spoken of by the Superintendent. According to the Government Order, he is to be considered as senior to the two new chemists to be appointed. He is therefore to be treated at least as on a par with the Probationers to be appointed with regard to emoluments and as such it is necessary that his pay should be fixed at Rs.60/- per month. I send herewith for the kind information of Government a copy of the Official Memorandum passed by me in this connection. I request that this may kindly be approved early so that the Comptroller may admit his pay at Rs.60/- p.m.

As regards the entertainment of two new Chemistry Graduates, I propose against one of the posts, the appointment directly of Mr. Mohamed Jan, B.Sc. (with Chemistry, Botany & Zoology as optional subjects and with II class distinction in Group I and I class in Group II) - one of the two non-Brahmin candidates referred to in para 4 of my letter of even number dated 6-2-1936. This may kindly be approved.

The other post will be filled up after calling for applications from qualified Chemistry Graduates. I have sent the Notification to the Compiler, Mysore Gazette for publication in the next two issues of the Gazette. I shall send up my report on the appointment of a suitable candidate in due course.

I am taking action on the other points referred to in the Government Order in consultation with the Comptroller to Government.

As separate sets of accounts for the three sections of the Laboratory have to be maintained at least from 1-7-1936, and it will not be possible for the existing staff to cope with the additional work, I request that early orders may kindly be issued in regard to the additional ministerial and other staff proposed by me.

I have the honour to be,
Sir,
Your most obedient servant,

Director.

ks)4

GOVERNMENT OF MYSORE.

47

DEPARTMENT OF INDUSTRIES AND COMMERCE.

OFFICE OF THE DIRECTOR,

O. M. No. D2-262/35-3o.

Dated Bangalore, 26th June 193 6

OFFICIAL MEMORANDUM:

Government Order No. Camp D.26-29/I&C.215-3o-2 dated Mysore 6th June 1936, approving among other matters the proposals of the Director that the posting of Mr. S.G. Sastry (Junior) from the Soap Factory to Industrial and Testing Laboratory, be confirmed, that Mr. Shamanna on the work staff be taken as a Chemist on the monthly rated Staff and that Graduates be appointed as Probationers on Rs.60/- each per mensem and trained for work in the various Sections, etc.

---

1. The appointment of Mr. S.G. Sastry (Junior) in the Laboratory is made permanent and he will work in the Research Section as indicated in Section (b) of the appendix to the Government order. He will continue to draw his present pay of Rs.75/- p.m.

2. Mr. Shamanna who is now on the work staff in the Laboratory is transferred to the regular staff of Chemists of the Pharmaceutical Section as indicated in section (a) of the appendix to the Government Order with effect from 6th June 1936 ~~or~~ i.e the date of the Government Order. His pay is fixed at Rs.60/- p.m. from that date.

H.K. Ramiengar

DIRECTOR.

ATN.4)

Copy with compliments to the Comptroller to the Government of Mysore, for information.

Copy to -

1. The Assistant Director in charge of the Laboratory, Bangalore.
2.

Issue & submit

G. R. S. App. F VI—G 2]

SUBJECT .....

.....

.....

Diary. No. of letter replied to.....

General and Revenue Secret

( )

the *193*

Date of issue 8/7/ ...1936.

Signed by Mr. K. S. Rao

May this be—

(i) printed?

(ii) treated as a standing order?

(iii) published in the Gazette, English Part?

(iv) translated?

(v) placed at the disposal of the press?

(vi) published in the Gazette, Kannada Part?

Section D & C.

File No. 215-35

Serial No. 4

Proceedings of the Government of His Highness the Maharaja of Mysore.

Read— G.O. No. Rev. D. 26-29/D&C 215-35-2 d. 6.6.36, directing among other things, (1) that the posting of Mr. S. G. Sastri (Junior) to the D & T Laboratory be made permanent, and (2) that Mr. K. Shamanna, Chemist, be transferred on the work staff Order thereon. No. to the mofussil, Mistri Staff and (3) that two Probationers on Rs. 60/- each p.m. be appointed

2 Letter No. D2-262/35-36 dated 27-6-1936 from the Dir. D&C forwarding a copy of his Memo No. D2-262/35-36 d. 26.6.1936 giving

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re pay of Messrs. S. G. Sathi (junior)
and K. Ramanna, Chemists,
in Laboratory, at Rs. 75/- and
Rs 60/- per mensem respectively,
he proposes to appoint
and stating that Dr. Muhammad
against one of the posts of probationers, the
Jan, B.Sc., ~~has been appointed as~~
after appointment being filled up after calling for
~~one of the Probationers~~; and qualified applications for
qualified Chemistry
requesting approval of his
graduates
retrenchment action in his proposals

Order No. D. 104-105 dt. 8-7-36.

The Director's action in having
fixed the pay of Messrs. Sathi (junior)
and K. Ramanna at Rs. 75/- and Rs 60/-
p.m. respectively is appd

2. Separate orders will be
issued re the ~~appointment~~ retrenchment of
the probationers

List of Enclosure

Copied by

Examined by

Dev. Secy

To.
The Dir. Agri
in connection with D

Ks
3/7

PROCEEDINGS OF THE GOVERNMENT OF HIS HIGHNESS
THE MAHARAJA OF MYSORE

Read:-

Government Order No.Camp D.26-29/I & C.215-35-2 dated 6th June 1936, directing among other things (1) that the posting of Mr. S.G.Sastry (Junior) to the Industrial and Testing Laboratory be made permanent,(2) that Mr.K.Shamanna, Chemist on the Work Establishment be transferred to the monthly rated staff and (3) that two Probationers on Rs.60/- each per mensem be appointed.

2. Letter No.D 2-262/35-36 dated 27th June 1936 from the Director of Industries and Commerce forwarding a copy of his memo No.D 2-262/35-36 dated 27th June 1936 fixing the pay of Messrs. S.G.Sastri (Junior) and K.Shamanna,Chemists, of the Laboratory, at Rs.75/- and Rs.60/- per mensem respectively and stating that he proposes to appoint Mr.Mohamad Jan, B.Sc., against one of the posts of probationers, the other appointment being filled up after calling for applications from qualified Chemistry graduates and requesting approval of ~~him~~ his action and sanction to his proposals.

Order No. D.104-105/ 9+C:215-35-4

Dated, Bangalore, the 8th July 1936.

The Director's action in having fixed the pay of Messrs. S,G.Sastri (Junior) and K.Shamanna at Rs.75/- and Rs.60/- per mensem respectively is approved.

2. Separate orders will be issued regarding the recruitment of the probationers.

For Secretary to Government,
Development Department.

To

The Director of Industries and Commerce in Mysore.
The Comptroller to Government,through Financial Department.

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Appendix F G—1]

SUBJECT.....

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Section Dr C.

File No. 215-35

Serial No. 5

Diary No. of letter replied to.....

No. & 321

To

The ~~Dir~~ Dr C

Sir,

General and Revenue Secretariat

( )

the *193*

With refce to correspondence ending with your letter No. D2-267/35-36 dated 27-6-1936 in the matter of filling up the posts of Probationers and of the addl. ministerial and the staff required ~~for~~ in connection with the reorganisation ~~the Dr to be reorganised~~ of D & T. Laboratories and in continuation of G.O. No. D 104-105 dt 8-7-36 Dte 215-35-4 dt 8-7-36 I am directed to state

Date of issue.....16.9.36.....

Signed by .....K.S.....

of the

that applications may be called for from the candidates possessing Bsc (Hons) or M.Sc, qualifications ~~for the~~ of probationers posts and submitted ~~for~~ to orders of Govt, with your opinion,

for the posts of probationers

List of enclosures ~~by advertisement~~ in the Gazette

Copied by .....

Bh 15.9

Examined by.....

~~as to by that definite proposals~~
as regards
~~for~~ the ~~various~~ ministerial and
other staff ~~necessary for the~~ definite proposals for the
minimum staff required for the laboratory
~~requirements concerned dealt with~~ consideration
may be kept dealt with for the ~~present~~
Annex
I have etc

~~Yours~~ Yours faithfully

[illegible]
11.7.26

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated, Bangalore, 15th July 1936

No. D 321. 16-7-36

From

The *Secretary to the Government of His Highness the Maharaja of Mysore,*
Development Department.

To

The Director of Industries and Commerce in Mysore,
Bangalore.

Sir,

With reference to correspondence ending with your letter No.D2. 262/35-36 dated 27th June 1936 in the matter of filling up posts of Probationers and of the additional ministerial and other staff required in connection with the reorganisation of the Industrial and Testing Laboratory and in continuation of G.O.No.D.104-105/I&C. 215-35-4 dated 8th July 1936, I am directed to state that applications for the posts of probationers may be called for by advertisement in the Gazette from the candidates possessing B.Sc.,(Hons.) or M.Sc qualifications and submitted to Government with your opinion.

As regards the ministerial and other staff, definite proposal for the minimum staff required for the Laboratory may be kindly set up for the consideration of Government.

I have the honour to be,

Sir,

Your most obedient servant,

for Secretary to Government,
Development Department.

psk-2

trolls = 34 balls

Gnomes = 53 balls

= 87 balls